

tttgcctctg	acctgaaaat	gataacatct	tttcagattt	ggggcaaaag	gcaacctatc	240
ttaccgtggt	caaagatgat	ttatcaacct	aacagcgaac	cttggttaagg	aatacttatt	300
cactctaaac	agaacaggcc	agattggtgg	gaggatgacc	cacag		345
<210> 1797	<211> 397	<212> DNA	<213> Homo sapien			
ggcacgaggt	gatggacatc	gataccagcg	gcaccttcaa	tgtgtctcgt	gtgctctatg	60
agaagtctct	ccgggaccac	ggaggggtga	tcgtgaacat	caactgccacc	ctgggggaacc	120
gggggcaggc	gctccaggtg	catgcaggct	ccgccaaggc	cgctgtggac	gcgatgacgc	180
ggcaacttggc	tgtggagtgg	ggtccccaaa	acatccgcgt	caacagcctc	gccccctggcc	240
ccatcagtgg	cacagagggg	ctccggcgac	tgggaatctt	ccggccgctg	cttcctgccc	300
cctcactcag	ccaggtggag	agcaccaatc	tgaaccagca	atgcctgcag	cccagccctt	360
cctctgaaca	ctcagctatt	actgcgcttt	ccctcct			397
<210> 1798	<211> 425	<212> DNA	<213> Homo sapien			
gagcccattg	atgactcttg	gaatgccgct	actgcggggt	tccgtcgaga	tccaatctca	60
gcacgacgac	gactgctcac	tttggcgacg	tcttttgcac	cagcttctat	gacagtgtgg	120
cgacgctcct	gctgcgaatg	atgaccacct	gggccattgt	ctgcagcgtg	tggtaacctgc	180
ctcccatgac	tagagaggca	gatgaagatg	ctgtccagtt	tgcgaatagg	gtgaaatctg	240
ccattgccag	gcagggagga	cttgtggacc	tgtgtgtgga	tgggggcctg	aagagggaga	300
aggtgaaaga	cacgttcaag	gaggagcagc	agaagctgta	cagcaagatg	atcgtgggga	360
accacaagga	caggagccgc	tcctgagcct	gcctccaact	ggcttgggcc	aaccgggcgg	420
gggcg						425
<210> 1799	<211> 351	<212> DNA	<213> Homo sapien			
tacggctccg	agaagacgac	agaagggctg	atgttgatct	aaatctcaaa	ggacccaaaa	60
tcaaggggga	tgtggatgtg	tctgtgcctg	aggtagaagg	taaacttgaa	gtaccagata	120
tgaacatcag	gggccccaaa	gttgatgtaa	atgccccga	tgtccaagct	ccagactggc	180
acctgaagat	gccaagatg	aaaatgcccc	agttcagcat	gcctggcttc	aaagcagagg	240
gccctgaagt	agacgtcaac	ttgcctaagg	ctgacgttgt	catctcagga	cccaaggtgg	300
acattgaagg	ccctgatgtt	aatattgaag	gaccagaggg	aaagttgaaa	g	351
<210> 1800	<211> 351	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaagggggc	tggatgaatc	tgatgcggaa	atggagccca	60
gagctaagga	agaagagcgc	ctaaataaac	tccgactgga	aagcgaaggc	tctcctgaaa	120
ctcttataaa	cttaaggaaa	ggatacctgt	ttatgtataa	tcttgtgcaa	ttcttgggat	180
tctcctggat	ctttgtcaac	ctgactgtgt	gattctgtat	cttgggaaaa	gagtcctttt	240
atgacacatt	ccatactgtg	gctgacatga	tgtatttctg	ccagatgctg	gcagttgtgg	300
aaactatcaa	tgcagcaatt	ggagtcacta	cgtcaccggc	gctgccttct	t	351
<210> 1801	<211> 387	<212> DNA	<213> Homo sapien			
ggcacgagga	ggccttcctt	ggccgagctg	agatggagag	tcacaagcgg	gcccacgctg	60
ggcctgggtg	cttcaagtgc	cccgaactgc	ccttcagtgc	ccgccagtgg	cccgaaggtcc	120
gggcgcacat	ggcacagcac	tcaagcctac	ggccccacca	gtgtagccag	tgcagctttg	180
cctccaagaa	caagaaggac	ctgcgtcggc	acatgctgac	tcacacaaag	gagaagcctt	240
ttgcatgcca	cctctgcggg	cagcgtttca	accgtaacgg	gcacctcaag	ttccacatgc	300
agcggctgca	cagtcctgat	gggaggaagt	caggaacccc	tacagcccgg	gcccctaccc	360
agacccaac	ccagaccatc	atcctgn				387
<210> 1802	<211> 431	<212> DNA	<213> Homo sapien			
gacggtattg	agcttcnnng	agtatcccat	cgancccaat	tcggcacgag	ctgccccgag	60
tccggaagaa	tttcttctt	gatgacgtgt	tcccagacac	cgctgtgatc	ggggagcctg	120
tgtcfaatgc	cgaggcctgg	ctgcaaggct	ctaattggga	gcccctggctt	ctcagcctgc	180
agcctactga	catgagccca	gtgagccaag	ccccccgaga	ggcttttgct	cgtcggggccc	240
catcctcagc	gcagtacctg	gaagaaaagt	ctgaccacct	tttgaccgag	gagctgctga	300
atgccatggt	ggcaaaactg	gggaaccgtg	aggaccact	ccccacgac	tcctttgaag	360
gcgtggacga	ggacgagtgg	gccaagtacc	tggcccagat	catttgtgatg	ggcgtgcagg	420
tgggtgacat	g					431
<210> 1803	<211> 368	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaagggctg	atgttgatct	aaatctcaaa	ggacccaaaa	60
tcaaggggga	tgtggatgtg	tctgtgcctg	aggtagaagg	taaacttgaa	gtaccagata	120
tgaacatcag	gggccccaaa	gttgatgtaa	atgccccga	tgtccaagct	ccagactggc	180
acctgaagat	gccaagatg	aaaatgcccc	agttcagcat	gcctggcttc	aaagcagagg	240

gccctgaagt	agacgtcaac	ttgcctaagg	ctgacgttgt	catctcagga	cccaaggtgg	300
acattgaagg	ccctgatgtt	aatattgaag	gaccagaggg	aaagttgaaa	gggcctaagt	360
taaagatg						368
<210> 1804	<211> 363	<212> DNA	<213> Homo sapien			
tacggctgcg	ataagactac	agaaggggaa	aatttataag	accttgaaat	aatcattcaa	60
ctgaagaaaa	ggaaaaaata	caggaaaact	aaagttccag	ttgtaaagga	accagaacct	120
gaaatcatta	cggaacctgt	ggatgtgcct	acgtttctga	aggctgctct	ggagaataaa	180
ctgccagtag	tagaaaaatt	cttgtcagac	aagaacaatc	cagatgtttg	tgatgagtat	240
aaacggacag	ctcttcatag	agcatgcttg	gaaggacatt	tggcaattgt	ggagaagtta	300
atggaagctg	gagcccagat	cgaattccgt	gatatgcttg	aatccacagc	cattcactgg	360
gcg						363
<210> 1805	<211> 387	<212> DNA	<213> Homo sapien			
cgttgctgtc	gctcagatct	gatggacttt	tacatgttcc	cacgaccgtc	ttcaccctgc	60
gggagtatgg	ctgtgtgggg	ctggccgagg	aggaggcagt	ggctcgccac	gggcaggagc	120
atggttaggt	ctatcacgcc	cattataaac	cactggagtt	cacggtggct	ggacgagatg	180
catcccaagg	ttatgtaaag	atggtgtgcc	tgagggagcc	cccacagctg	gggctgggcc	240
tgcatttact	tggccccaac	gcaggcgaag	ttactcaagg	atttgctctg	gggatcaagt	300
gtggggcttc	ctatgcgcag	gtgatgcgga	ccgtgggtat	ccatcccaca	tgctctgagg	360
aggtagtcaa	gctgcgcctc	tccatcg				387
<210> 1806	<211> 376	<212> DNA	<213> Homo sapien			
attcgaattc	ggcacgaggg	caccttcaat	gtgtctcgtg	tgtctatga	gaagttcttc	60
cgggaccacg	gaggggtgat	cgtgaacatc	actgccaccc	tggggaaccg	ggggcaggcg	120
ctccagtgct	atgcaggctc	cgccaaggcc	gctgtggacg	cgatgacgcg	gcacttggtc	180
gtggagtggg	gtcccaaaaa	catccgcgtc	aacagcctcg	cccctggccc	catcagtggc	240
acagaggggg	tccggcgact	gggtggccct	caggccagcc	tgagcaccaa	ggtcactgcc	300
agcccgtgc	agaggctggg	gaaacaagac	cgagatcgcc	cacagcgtgc	tctacctggc	360
cagccctctg	gcttcn					376
<210> 1807	<211> 382	<212> DNA	<213> Homo sapien			
cggccctccc	ccaacctcgt	tgcgccttg	cagtttgatc	tcagactgct	gtgctagcaa	60
tcagcgagat	tccgtggggc	taggaccctc	tgagccagga	actgaagtta	aaagatgaag	120
aatgtgagag	gctttcaaaa	gtgcgagatc	aacttggaca	ggaattggaa	gaactcacag	180
ctagtctatt	tgaggaagct	cataaaatgg	tgagagaagc	aaatatcaag	caggcaacag	240
cagaaaaaca	gctaaaagaa	gcacaaggaa	aaattgatgt	acttcaagct	gaagtagctg	300
cattgaagac	acttgtattg	gccagttctc	caacatcacc	tacgcaggag	cctttgccag	360
gtggaaagac	accttttaaa	aa				382
<210> 1808	<211> 358	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaaggggga	ggcggagctc	tctgaagtta	aaatacacag	60
ccatattgtg	caacaggaaa	accaccttct	caaagatgaa	ctggagaaaa	tgaaacagct	120
gcacagatgt	cccgatctct	ctgacttcca	gcaaaaaatc	tctagtgttc	taagctacaa	180
cgaaaaactg	ctgaagaaa	aggaagctct	gagtggaggaa	ttaaatagct	gtgtcgataa	240
gttggaacaa	tcaagtcttt	tagagcatag	aattgcgacg	atgaagcagg	aacagaaatc	300
ctgggaacat	cagagtgcga	gcttaaagtc	acagctgggtg	gcttctcagg	aaaaggtt	358
<210> 1809	<211> 379	<212> DNA	<213> Homo sapien			
cgttgctgtc	ggacattttc	tacattgaaa	acccaaaagga	atatgaaaat	aaaaaagctg	60
ctaggaagag	gagaacacaa	gtgttgggga	aaaagatgaa	acaagctatt	aaaagtctaa	120
attttcaaga	agatgatgat	acatcacgag	aaacttttgc	aagtgcacag	aatgaggcct	180
tggcctctct	tgatgagtca	caggaaggac	atgcagaagc	caagttggag	gcagaggaag	240
ccattgaagt	tgatcattct	catgatttgg	acatctttta	agtacatttt	caacagtttg	300
aggactaagc	ctttctaaaa	taacattgta	ataaaccatt	tttactgaga	ttgcaacgtt	360
ttgcactgat	aaacatgag					379
<210> 1810	<211> 405	<212> DNA	<213> Homo sapien			
ggcacgagga	tggacatcga	taccagcggc	accttcaatg	tgtctcgtgt	gctctatgag	60
aagttcttcc	gggaccacgg	aggggtgatc	gtgaacatca	ctgccaccct	ggggaaccgg	120
gggcaggcgc	tccaggtgca	tgcaggctcc	gccaaaggccg	ctgtggacgc	gatgacgcgg	180
cacttggtcg	tggagtgggg	tccccaaaac	atccgcgtca	acagcctcgc	ccctggcccc	240
atcagtggca	cagaggggct	ccggcgactg	ggtggccctc	aggccagcct	gagcaccaag	300

```

gtcactgccca gcccgcgtgca gaggctgggg aacaagaccg agatcgccca cagcgtgctc 360
tacctggcca gccctctggc ttcctacgtg acgngggccg tgctg 405
<210> 1811 <211> 380 <212> DNA <213> Homo sapien
catcgattcg aattcggcac gagcggcgct gtggctttca gcttggatca tgattctgga 60
aggaggtggt gtaatgaatc tcaaccccg caacaacctc cttcaccagc cgccagcctg 120
gacagacagc tactccacgt gcaatgtttc cagtgggttt tttggaggcc agtggcatga 180
aattcatcct cagtactgga ccaagtacca ggtgtgggag tggctccagc acctcctgga 240
caccaaccag ctggatgccca cattgatccc tttccaagag gtcgacatca acggggagca 300
cctctgcagc atgagtttgc agagtcaccc cggcggcagg acgggggngc aagctcctct 360
acagcacctt gcagatcttg
<210> 1812 <211> 396 <212> DNA <213> Homo sapien
cggcacgagc acacgccgca cctccgtggg ctgcttcggc tctcatctt gagcgggtgca 60
aacctgagtg actcctactt caccaaccgc caggaccgct acgtgttcct gcaggactgt 120
gcggagattg ccgacttctt cacggagctg gtggacgcgg tgggggatgt gtccctgcag 180
ctgcaggggg acgacacggt gcaggtgggt gatgggatgg tgcacctta caaaggggac 240
cggggccgag actgcaaggc agccaataag agggcatgga tgtgatcaac tcagccagga 300
cccgccagca gatgctgcat gccagactt tcacaggcac tctttttgac ccaggagatg 360
cagcagcttg tggggatcgc agacagcccc tgacac 396
<210> 1813 <211> 400 <212> DNA <213> Homo sapien
ggcacgagcc aagatggaag gaactgtgag ccttctggct tttcgccagg aagacgcctt 60
ccacccaagg gaactgaaag cagaagatga ggatattgtt cttacacctg atggcaccag 120
ggaatttctg acatttgaag tcccacttag tgattcagcc gactgctctt tgagtccaga 180
tgttgatcca gttcttgctt ttcaacgaga aggatttggg cgtcagagta tgtcagaaaa 240
acgcacaaag caattttcag atgccagtca attggatttc gttaaaacac gaaaatcaaa 300
aagcatggat ttaggtatag ctgacgagac taaactcaat acagtggatg accagaaagc 360
aggttctccc agcagagatg tgggtccttc cctgggtctg 400
<210> 1814 <211> 385 <212> DNA <213> Homo sapien
cyttgctgtc ggaaagcagc tatatgaaaa tcttattcaa tgttgttctt gaagctcgag 60
agccagggtc aggcagaaga ctttgtgacc tatttatggt taaaccatcc aaaaaggact 120
atcctgatta ttataaaatc atcttgagc caatggactt gaaaataatt gagcataaca 180
tccgcaatga caaatatgct ggtgaagagg gaatgataga agacatgaag ctgatgttcc 240
ggaatgccag gcactataat gaggagggct cccaggttta taatgatgca catatcctgg 300
agaagttact caaggagaaa aggaagagc tgggcccact gctgatgat gatgacatgg 360
cttctccana ctcaagctga gtagg 385
<210> 1815 <211> 451 <212> DNA <213> Homo sapien
tcttttggcc gaagcggcct acggctgcga gaagacgaca gaagggcacc gtttagaaaa 60
aacaattttt gaaaaagaga ttttttttcc ctgcaggtag ttgagttgga acaacatgtt 120
ctaccgtgga tttgtacttg ctctttttgc tctttttgtg tgagtgtgtg agagtgtgag 180
tgtgtgtgtg cgtgagattt ttgcttgcag gataacatag ctactttggc attgctgcat 240
atttgacctt tgagagatat aatagtagat tcgcacaggg gctgggttat tatgttctta 300
gcaacacgag cttttctagt gccttgaaga tacattttgt tttatgtggg tgaaagacaa 360
aagatacaaa cctttttaca atatagagaa ggatttatct ttattgataa tgtttctttt 420
aaaaaactgg atctctcacc ttttaggcgc g 451
<210> 1816 <211> 349 <212> DNA <213> Homo sapien
tancgctgagc agaagacgac agaaggggtg ccttgaaga ggaggtgga gcttgaaga 60
cccgttcca gcacctgatg aagtcctatg agaatgagga caaagaggag actgtggcca 120
agatgtacat ttcagagttg aagaacatcc ggctacgcct ggaggagtat gaacagaggg 180
tgggtcaaag aattcagtct ctagccagct ctaggactga cagagatgcc tggcaggaca 240
atgcattaag gattgcagag caagagcaca cccaggagga tttacagcaa ttgaggtcag 300
acttggatgc agtttctatg aaatgtgaca gctttctcca tcagtctcn 349
<210> 1817 <211> 378 <212> DNA <213> Homo sapien
attcggcgagc aggcagcgtt tatgcagata cccatttgtt tggaggtttt ttttaaatgg 60
atttgtgagc ttattgagga acgagccatc tattttgatg gagacttttg tcagattgct 120
cgatatggtg agattccagc tgaattaaag gcggcgccca ctgaccaccg gcaggagcta 180
attgaatgtg ttgccaattc agatgaacag cttggggaga tgtttctgga agaaaaaat 240
cccctcgatt tctgatttaa agctagcaat tcgaagagct actctgaaaa gatcatttac 300

```

tcttgtatatt	ttgggaagcg	ccttgaagaa	caaaggagtt	cagcctcttt	tagatgctgt	360
tttagaatac	cttccaag					378
<210> 1818	<211> 408	<212> DNA	<213> Homo sapien			
atcgattcgc	tcattctcaga	gactgggtgga	agccatgaca	agcgctttgt	aatggaggta	60
gaagtagatg	gacagaaatt	cagagggcgca	gggtccaaata	agaaagtggc	aaaggcgagt	120
gcagcttttag	ctgccttggga	gaaactgttt	tctggaccca	atgcggcaaa	taataagaaa	180
aagaagatta	tccttcaggc	aaagggcggt	gtgaatacag	ctgtgtctgc	agcagtccaa	240
gctgttcggg	gcagaggaag	aggaactcta	acaaggggag	cttttgttgg	ggcgacagct	300
gctcctggct	acatagctcc	aggctatgga	acaccatag	gttacagcac	agctgcccc	360
gcctatgggt	tacccaagag	aatggttctg	ttaccggtta	tgaaattt		408
<210> 1819	<211> 386	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaaggggaa	aattttagaag	accttgaaat	aatcattcaa	60
ctgaagaaaa	ggaaaaaata	caggaaaaact	aaagttccag	ttgtaaagga	accagaacct	120
gaaatcatta	cggaaacctgt	ggatgtgcct	acgtttctga	aggctgctct	ggagaataaaa	180
ctgccagtag	tagaaaaatt	cttgtcagac	aagaacaatc	cagatgtttg	tgatgagtat	240
aaacggacag	ctcttcatag	agcatgcttg	gaaggacatt	tggcaattgt	ggagaagtta	300
atggaagctg	gagcccagat	cgaattccgt	gatatgcttg	aatccacagc	catccactgg	360
gcaagccgtg	gaggaaacct	tgagt				386
<210> 1820	<211> 402	<212> DNA	<213> Homo sapien			
ggcacgagag	gacaaagaga	ggccggatca	aaccaacccc	tccgccaact	ggctgcacgc	60
tcgctcttcc	cggaaaaagc	gctgtcccta	caccaaatac	cagacgctgg	agctagagaa	120
ggagtttctc	ttcaatatgt	acctcaccag	ggaccgtagg	cacgaagtgg	ccagactcct	180
caatctgagt	gagagacaag	tcaaaatctg	gtttcagaac	cggcggatga	aaatgaagaa	240
aatgaataag	gagcagggca	aagagtaaag	attaaagatt	acccccagtc	ctccctagct	300
cttccccatc	tcactcttag	ttatgtgacg	actgcaaagc	cagtgtctgtc	tgggatgtat	360
tcaagtgaat	ggggaaggga	gtctctcttc	caagtccttt	an		402
<210> 1821	<211> 398	<212> DNA	<213> Homo sapien			
ggcacgagag	gacaaagaga	ggccggatca	aaccaacccc	tccgccaact	ggctgcacgc	60
tcgctcttcc	cggaaaaagc	gctgtcccta	caccaaatac	cagacgctgg	agctagagaa	120
ggagtttctc	ttcaatatgt	acctcaccag	ggaccgtagg	cacgaagtgg	ccagactcct	180
caatctgagt	gagagacaag	tcaaaatctg	gtttcagaac	cggcggatga	aaatgaagaa	240
aatgaataag	gagcagggca	aagagtaaag	attaaagatt	acccccagtc	ctccctagct	300
cttccccatc	tcactcttag	ttatgtgacg	actgcaaagc	cagtgtctgtc	tgggatgtat	360
tcaagtgaat	ggggaaggga	gtctctcttc	caagtcn			398
<210> 1822	<211> 367	<212> DNA	<213> Homo sapien			
cgttgcgtgc	ggtccagaaa	gtagaatgct	gtgcacgct	ggagtttcag	ctcatgtcat	60
tatttataga	ttcagcaagc	aggaagtaat	cacagaagtc	attccgatgc	ttgaagtctg	120
attattatat	gagataaatg	atgtggaac	tccggagggt	gagcagccac	cacctttgcc	180
aacacccgtg	ggaggggtcc	acctcagcc	catccctcct	cagtctcacc	catctaccag	240
tagcagttca	tctgatgggc	tctgtgataa	tgtacctgt	ttaaaagtta	aaaactcacc	300
acttaaacag	tctccagggt	atcaaacaga	actagttatt	cagttgggtt	gggtgggtgg	360
agaacca						367
<210> 1823	<211> 370	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagataca	naagnagacc	ttcttcgtgc	tcagggcctg	ggagatatta	60
ttgatacatc	catgggggtcc	ctcacttcat	ccccatcttc	ctgctcactc	agtagtcagg	120
tgggcttgac	gtctgtgacc	agtattcaag	agaggatcat	gtctacacct	ggaggagagg	180
aagctattga	acgtttaaag	gaatcagaga	agatcattgc	tgagttgaat	gaaacttggg	240
aagagaagct	tcgtaaaaca	gaggccatca	gaatggagag	agaggctttg	ttggctgaga	300
tgggagttgc	cattcgggaa	gatggaggaa	ccctaggggt	tttctcacct	aaaaagaccc	360
cacatcttgt						370
<210> 1824	<211> 447	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaagggggt	attttgcaag	cgggaggggc	cgtgcgcgct	60
cctgcctcag	gcctctgtcc	cccacccctt	ttccccggtc	ccaggctctc	cttcggaaag	120
atgtcggaca	cggcagtagc	tgatacccg	cgctttaat	cgaagccgca	ggacctgacc	180
gacgcttacg	ggcgcgcaag	taacttctg	gagatcgaca	tctttaatcc	tcaaacgggtg	240
ggcgtgggac	gcgcgcgctt	caccacctat	gaggttcgca	tgcggacaaa	cctacctatc	300

tccaagctaa	aggagtcctg	cgtacggcgg	cgctacagt	actntgagt	gccgaanaat	360
gagctggaga	gagatagcaa	gattgtagac	caccactggc	tgggaaagcc	nntgagcggg	420
cagctccttt	tcgaggagat	gaaagga				447
<210> 1825	<211> 389	<212> DNA	<213> Homo sapien			
ggcagcaggt	tcgttgggcg	gcgctgggtt	ttegtctgtc	gactgcggct	cttcctcggg	60
cagcgggaagc	ggcgcggcgg	tcggagaagt	ggcctaaaac	tteggcggtg	ggtgaaagaa	120
aatggccccga	accaagcaga	ctgctcgtac	gtctcccggg	gggaaagccc	cccgcacaaca	180
gctggccacg	aaagccgcga	ggaaatgcgc	tcctctctacc	ggcgggggtga	agaagcctca	240
tcgctacatg	cccgggaccg	tggcgctttg	agagattcgt	cggtatcaga	agtcgaccga	300
gctgctcatc	cggaaagctgc	ccttccagag	gttggtgagg	gagatcgcg	aggatttcaa	360
aaccgacctg	aggtttcaga	gcgagccn				389
<210> 1826	<211> 361	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaaggggtg	gcttggaga	ggaggtggaa	gcttgtaaa	60
cccgtttcca	gcacctgatg	aagtcctatg	agaatgagga	caaagaggag	actgtggcca	120
agatgtacat	ttcagagttg	aagaacatcc	ggctacgcct	ggaggagtat	gaacagaggg	180
tgggtcaaag	aattcagttc	ctagccagct	ctaggactga	cagagatgcc	tggcaggaca	240
atgcattaag	gattgcagag	caagagcaca	cccaggagga	tttacagcaa	ttgaggtcag	300
acttggtatg	agtttctatg	aaatgtgaca	gctttctcca	tcagtctcca	tctagttcaa	360
g						361
<210> 1827	<211> 385	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaaggggga	ccttcttctg	gctcagggcc	tgggagatat	60
tattgatata	tccatggggg	ccctcacttc	atccccatct	tcctgctcac	tcagtagtca	120
ggtgggcttg	acgtctgtga	ccagtattca	agagaggatc	atgtctacac	ctggaggaga	180
ggaagctatt	gaacgtttta	aggaatcaga	gaagatcatt	gctgagttga	atgaaacttg	240
ggaagagaag	cttcgtaaaa	cagaggccat	cagaatggag	agagaggctt	tgttggtgga	300
gatgggaggt	gccacttcgg	aagatggagg	aaccctaggg	gttttctcac	ctaaaaagac	360
cccacatctt	ggtaacctca	atgan				385
<210> 1828	<211> 420	<212> DNA	<213> Homo sapien			
ggcagcaggg	aggggctgga	cgttccacgc	caaaggcctc	tggctgtacc	tggcagggag	60
cagcctgccc	tgtctcacgc	tgattggctc	tcctaatttt	gggtacaggt	cagttcaccc	120
ggacctggag	gcccagattg	cgatcgtgac	ggagaaccag	gcccctgcagc	agcagcttca	180
ccaggagcaa	gagcagctct	acctgaggtc	aggtgtgggt	tcctctgcca	ccttcgagca	240
gccgagtcgc	caggtgaagc	tgtgggtgaa	gatggtgact	ccactgatca	agaacttctt	300
ctgaggacag	acaggaatgg	ccttgatgaa	gatgacaggg	atggccgggg	tcagctcttt	360
cagccgcgct	tcagcgatga	ctccagtctg	ggtgtcccag	cgagcccttg	cagggacagt	420
<210> 1829	<211> 436	<212> DNA	<213> Homo sapien			
ttcggcacga	gggaaagcgt	gggacctttt	ccccgaggct	gacaaagtcc	gcaccatgct	60
ggttaggaag	atccaggaag	agtcactgag	gacttctgaa	gccaagtacc	aagagaagca	120
gcggaagcgt	gaggctgagg	agcggcgccg	cttccccctg	gagcagcgac	taaaggagca	180
catcattggc	caggagagcg	ccatcgccac	agtgggtgct	gcgatccgga	ggaaggagaa	240
tggctggtac	gatgaagaac	accctctggt	cttccctctt	cttgggatca	tctggaatag	300
gaaaaacaga	gctggccaag	cagacagcca	aatatatgca	caaagatgct	aaaaagggct	360
tcacagggct	ggacatgtcc	gagttccagg	agcgacacga	ggtggccaag	tttattgggt	420
ctccaccagg	ctacgn					436
<210> 1830	<211> 401	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaaggggtc	ccactgagca	tgcagacctg	cagggaaagaa	60
ctgcactttca	cgatgccgca	atggcagatt	gtccttctag	ctacagctg	ctttgtgacc	120
atggggcctc	tgtgaatgcc	aaagatgtag	acgggcggac	accacttgtt	ctggctactc	180
agatgagtag	gccaacaata	tgtcaactgc	tgatagatag	aggagcggat	gttaattcca	240
gagacaaaca	aaacagaact	gcccctcatgc	taggttgcca	atatgggtgc	agagatgcag	300
taaaangctta	aataaaatgg	tgctgatata	agcctggctg	atgcgctcgg	ncatgatagt	360
cttactatgt	agaattgggt	acatctggac	atctaccttg	t		401
<210> 1831	<211> 390	<212> DNA	<213> Homo sapien			
ggcagcaggg	ccaatgaaat	ttgagaaaga	ctttgacttt	gaaagtgcaa	atgcacaatt	60
caacaaggaa	gagattgaca	gagagtttca	taataaactt	aaattaaaag	aagataaact	120
tgagaaacag	gagaagcctg	taaatgggtga	agataaagga	gactcaggag	ttgataccca	180

aaacagtga	ggaaatgccg	atgaagaaga	tccacttggga	cctaattgct	attatgacaa	240
aactaaatcc	ttctttgata	atatttcttg	tgatgacaat	agagaacgga	gaccaacctg	300
ggctgaagaa	agaagattaa	atgctgaaac	atttggaaatc	ccacttcgtc	caaaccgtgg	360
ccgtggggga	tacagaggca	gaggaggctcn				390
<210> 1832	<211> 432	<212> DNA	<213> Homo sapien			
cacgagaagc	gtcagtgtaa	agttcttttt	gagtacattc	cacaaaatga	ggatgaactg	60
gagctgaaag	tgaggatat	tattgatatt	aatgaagagg	tagaagaagg	ctggtggagt	120
ggaaccctga	ataacaagtt	gggactgttt	ccctcaaatt	ttgtgaaaga	attagaggta	180
acagatgatg	gtgaaactca	tgaagcccag	gacgattcag	aaactgtttt	ggctgggcct	240
acttcaccta	taccttctct	gggaaatgtg	agtgaactg	catctggatc	agttacacag	300
ccaaagaaaa	ttcgaggaat	tggattttga	gacattttta	aagaaggctc	tgtgaaactt	360
tcgacaagaa	catccagtnn	gtgaacagaa	gaagaaaacc	agaaaagcct	taatctacag	420
cactgggacc	an					432
<210> 1833	<211> 386	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaaggggag	agttacagtc	agcctgcatg	gcattcatcgt	60
ggacctccac	agcgggattg	gaaatgggaa	aaagatggct	ttaataatac	taggaaaaac	120
agctttccac	attcttttga	gaatggtggt	ggaccaagag	gacgttccg	gtggcataag	180
ggtgtgtcag	gaggctctc	gacttgggtt	cacaaccata	gtaattctgg	aggtggttgg	240
ctttcaaata	gtggagcagt	agattggaat	cataatggta	caggaaggaa	ttccagttgg	300
ctttctgaag	gaacaggtgg	ctttccagt	tggcatatga	acaacagtaa	cggaaactgg	360
aaatccagt	tacgtagtac	aaataa				386
<210> 1834	<211> 380	<212> DNA	<213> Homo sapien			
ggcacgagcc	tgttctcgcc	tgcagctccg	ccatggctcc	taaaggcagc	tccaaacagc	60
agtctgagga	ggacctgctc	ctgcaggatt	tcagccgcaa	tctctcgcc	aagtcctccg	120
cgctcttctt	cggaaacgcg	ttcatcggtg	ctgccatccc	catctggtta	tactggcgaa	180
tatggcatat	ggatcttatt	cagctcgctg	ttttgtatag	tgtgatgacc	ctagtaagca	240
catatttgg	agccttttga	tacaagaatg	tgaattttgt	tctcaagcac	aaagtagcac	300
agaagaggga	ggatgctgtt	tccaaagaag	tgaactcgaaa	actttctgaa	gctgataata	360
gaaagatgtc	tcggaaggag					380
<210> 1835	<211> 412	<212> DNA	<213> Homo sapien			
ggcacgagaa	gcgtcagtgt	aaagtctttt	ttgagtacat	tccacaaaat	gaggatgaac	60
tggagctgaa	agtgaggat	attattgata	ttaatgaaga	ggtagaagaa	ggctggtgga	120
gtggaaccct	gaataacaag	ttgggactgt	ttccctcaaa	ttttgtgaaa	gaattagagg	180
taacagatga	tggtgaaact	catgaagccc	aggacgattc	agaaaactgtt	ttggctgggc	240
ctacttcacc	tataccttct	ctgggaaatg	tgagtgaaac	tgcattctgga	tcagttacac	300
agccaaagaa	aattcagagga	attggatttg	gagacatttt	taaagaaggc	tctgtgaaac	360
ttcggacaag	aacatccagt	agtgaacacg	aagagaaaaa	accagaaaag	cc	412
<210> 1836	<211> 406	<212> DNA	<213> Homo sapien			
gcacgagaac	ctctagggcg	gcttggggct	tcagttattg	gaatcgacct	tgtggatgag	60
aacattaaaa	cagcacaaatg	ccataaatca	tttgatccag	tcctggataa	gagaatagag	120
tacagagtgt	gttccctgga	agagattgtg	gaagagactg	cagaaacatt	tgatgctgtt	180
gtagcttctg	aagtgttaga	acatgtgatt	gatctagaaa	catttttaca	gtgctgctgt	240
caagtgttaa	aaccgggtgg	ttctttattc	attactacaa	tcaacaaaac	acaactttcc	300
tatgccttgg	gaattgggtt	ttcagagcaa	attgcaggta	ttgtaccaaa	aggtactcat	360
acatgggaga	agtttgttca	cctggaacac	tagagagcat	tctggg		406
<210> 1837	<211> 399	<212> DNA	<213> Homo sapien			
ggcacgagca	caaacacgcc	ctgctatgcc	ctcttagaag	ttacctacaa	gggcactcag	60
tggtatgaac	aaaccaagaa	agaattgatg	gtcctaccc	ttcttcaga	actccatctt	120
ttaaagcaga	ttaaagtaa	aggcccaaga	tactgggaac	tgtcataga	tttaagcaaa	180
ggaacacaac	acttgaagtc	catcctttcc	aaggatgggg	ttttatatgt	taaactccgg	240
gcgggtcagc	tctcctacaa	agaagatcca	atgggatggc	aaagtgtgtt	ggctcagact	300
gttgctaaca	ggaactctga	agcccgggct	ttcaagccag	aaacaatctc	agcattcact	360
tctgatccag	cacttctgtc	atttctgtga	tatttctgg			399
<210> 1838	<211> 399	<212> DNA	<213> Homo sapien			
ggcacgaggg	tggacgaggt	ggtgccagcg	gtcctctacg	tcactacact	agagaccctg	60
gacaaataca	actgtgactt	ctgtgttcac	ggcaatgaca	tcacctgac	tgtagatggc	120

cgggacacct	atgaggaagt	aaagcaggct	gggaggtaca	gagaatgcaa	gcgacgcaa	180
gggtgtcca	ccacagacct	cgtgggccc	atgctgctgg	taaccaaagc	ccatcacagc	240
agccaggaga	tgtcctctga	gtaccgggag	tatgcagaca	gttttgcaa	gccccctcac	300
ccgatacccg	ccggggacat	actttcctca	gaaggctgct	cccagtgcc	tggtagggcg	360
aacccttggg	ccggggatc	ccagttcctg	cagacatct			399
<210> 1839	<211> 371	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaaggggctc	ccactgagca	tgcagacctg	caggaagaa	60
ctgcacttca	cgatgccgca	atggcagatt	gtccttctag	catacagctg	ctttgtgacc	120
atggggcctc	tgtgaatgcc	aaagatgtag	acgggcccag	accacttggt	ctggctactc	180
agatgagtag	gccaacaata	tgtcaactgc	tgatagatag	aggagcggat	gttaattcca	240
gagacaaaca	aaacagaact	gccctcatgc	taagttgcga	atatggttgc	agagatgcag	300
tacaagtctt	aattaaaaat	ggtgctgata	taagcttgct	ggatgcgctt	ggccatgata	360
gttcttacta	t					371
<210> 1840	<211> 368	<212> DNA	<213> Homo sapien			
cgttgctgtc	ggtagaaaag	gctgaattct	gtaataaaag	caaacagcct	ggcttagcaa	60
ggagccaaca	taacagatgg	gctggaagta	aggaaacatg	taatgatagg	cggactccca	120
gcacagaaaa	aaaggttagat	ctgaatgctg	atccccctgtg	tgagagaaaa	gaatggaata	180
agcggaaaact	gcatgctca	gagaatccta	gagatactga	agatgttctt	tggataacac	240
taaatagcag	cattcagaaa	gttaatgagt	ggttttccag	aagtgatgaa	ctgttaggtt	300
ctgatgactc	acatgatggg	gagtcctgaat	caaatgccaa	agtagctgat	gtattggacg	360
ttctaaat						368
<210> 1841	<211> 383	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agaaggggca	tattttttct	ttagaacaac	tagaatatag	60
ccgggaagga	ttagtggtgg	aagatattga	ctggatagac	aatggagaat	gcctggactt	120
gattgagaag	aaacttggcc	tcctagccct	tatcaatgaa	gaaagccatt	ttcctcaagc	180
cacagacagc	accttattgg	agaagctaca	cagtcagcat	gcgaataacc	acttttatgt	240
gaagcccaga	gttcagatta	acaattttgg	agtgaagcac	tatgctggag	aggtgcaata	300
tgatgtccga	ggtatcttgg	agaagaacag	agatacattt	cgagatgacc	ttctcaattt	360
gctagagaaa	gccgatttga	ctn				383
<210> 1842	<211> 395	<212> DNA	<213> Homo sapien			
cgatgctgtc	gggattgtat	tcgggctggc	cagcatggac	gagctctcat	ggaagcatgc	60
aatgaattct	acaccaggat	tcgcgatgac	tttggaactc	gtactcctcc	actaatccgg	120
acacagaagg	aactgtcaga	aaaaatacaa	ttactagagg	ctttgggaga	cattgaaatt	180
gctattaagc	tggtagaaaac	agagctacaa	agcccagaac	acccattgga	ccaacactat	240
agaaacctac	attgtgcctt	gcgccccctt	gacctgaaa	gttatgagtt	caaagtgatt	300
tcccagtacc	tacaatctac	ccatgctccc	acacacagcg	actataccat	gaccttgctg	360
gatttggttg	aagtggagaa	ggatggtag	aaan			395
<210> 1843	<211> 380	<212> DNA	<213> Homo sapien			
cgttgctgtc	gctcagatct	gatggactac	gacaatgttc	ccacgaccgt	cttcaccccg	60
ctggagtatg	gctgtgtggg	gctgtccgag	gaggaggcag	tggctcgcca	cgggcaggag	120
catgttgagg	tctatcacgc	ccattataaa	ccactggagt	tcacgggtggc	tggacgagat	180
gcatcccagt	gttatgtaaa	gatgggtgtc	ctgaggggagc	ccccacagct	ggtgctgggc	240
ctgcatttcc	ttggccccc	cgaggcgaa	gttactcaag	gatttgctct	ggggatcaag	300
tgtggggctt	cctatgcgca	ggtgatgcgg	accgtgggta	tccatcccac	atgctctgag	360
gaggtagtca	agctgcgcat					380
<210> 1844	<211> 372	<212> DNA	<213> Homo sapien			
tacggctgcg	agaagacgac	agannnggca	tattttttct	ttagaacaac	tagaatatag	60
ccgggaagga	ttagtggtgg	aagatattga	ctggatagac	aatggagaat	gcctggactt	120
gattgagaag	aaacttggcc	tcctagccct	tatcaatgaa	gaaagccatt	ttcctcaagc	180
cacagacagc	accttattgg	agaagctaca	cagtcagcat	gcgaataacc	acttttatgt	240
gaagcccaga	gttcagatta	acaattttgg	agtgaagcac	tatgctggag	aggtgcaata	300
tgatgtccga	ggtatcttgg	agaagaacag	agatacattt	cgagatgacc	ttctcaattt	360
gctaagagaa	ag					372
<210> 1845	<211> 445	<212> DNA	<213> Homo sapien			
gtcaattggg	cacgagggcg	cccaggccgc	cgccctgccag	gctgtcgggc	gtcatggtgc	60
cggcgcccat	ccaagacctg	gaggccctgc	gcgcgctcac	ggcgtctctc	aaagagcagc	120

ggaaccgaga aacagcacc aggactatct tccaaagagt tctggatata ctaaagaaat 180
 cttctcatgc tgttgagctt gctgcagag atccatccca agtggaaaac ctggcttcca 240
 gtctgcagtt aataacagaa tgcttcaggt gtcttcgcaa tgcttgata gagtgtctg 300
 tgaaccagaa ttcaatcagg aacttggata cgattggtgt tgctgtgat ttgattcttc 360
 tgtttcgtga actgcgagtg gaacaggaat ctctgttgac agcttttcgc tgtggcctgc 420
 agtttttagg caacattgcc tcacg 445
 <210> 1846 <211> 400 <212> DNA <213> Homo sapien
 atcgattcgt cggactctgc caaatattac ctgactgaca ttgaccgat cgccacacca 60
 tcattcgtgc ctacccaaca agatgtgctt cgcgtccgag tgcccaccac cggcatcatt 120
 gagtatccat ttgacttggg aaacatcatt tttcggatgg tggatgttgg tggccaacga 180
 tcggaaagac ggaagtggat tcaactgctt gagagtgtca cctccattat tttcttgggt 240
 gctctgagtg aatatgacca ggtcctggct gagtgtgaca acgagaatcg catggaagag 300
 agcaaagcct tatttaaaac catcatcacc taccctgggt ttctgaattc gtctgtgatt 360
 ttattcttga acaagaagga tcttttggaa gagaaaatca 400
 <210> 1847 <211> 695 <212> DNA <213> Homo sapien
 cccatcgatt cgaattcggc acgaggccgc gatggcgctg ttggccggcg ggctctccag 60
 agggctgggc tcccaccgag ccgcccagag ccgggacgcg gtctcttcg tgtggcttct 120
 gcttagcacc tgggtgcacag ctccctgccg ggccatccag gtgaccgtgt ccaacccta 180
 ccacgtggtg atcctcttcc agcctgtgac cctgcccgtg acctaccaga tgacctcgac 240
 ccccaacgcaa cccatcgtca tctggaagta caagctttc tgccgggacc gcatcgccga 300
 tgcttcttcc ccggccagcg tcgacaacca gctcaatgcc cagctggcag ccgggaaccc 360
 aggtacaaac cctacgtcg agtgccagga cagcgtgcgc accgtcaggg tcttggccac 420
 caagcagggc aacgctgtga ccttgggaga ttactaccag ggccggagga ttaccatcac 480
 cggaaatgct gacctgacct ttgaccagac ggctggggg gacagnggtg tgtattactg 540
 ctctgtggtc taagccaaga ccttccggga acattgaggc taaccaacc taatctctt 600
 gaaggacctt aggggtggtg actctaactt gttttagggg ggcccaaaag actgctctcg 660
 nggttgggat gctgctgctt ctcatttctc tctgn 695
 <210> 1848<211> 412<212> DNA<213> Homo sapien
 ggcacgaggg gtctccctgt gttgcccagg ctggtctgta atgcctagga tcaagggatc
 60ctctgcttg gcttcttaac ctgctgggat tacaagcatg agacaccatt cctggcctag
 120aagcctatt ttaagaaac tacaatctcc catggggact gtttccctgc ctcttttgtg
 180cagtcctatg taacttgctt acagcaagag gcctaagatt gaatctttt ggggaaaagt
 240cattctagga tgaataact atgttaaggc cgggcgcagt ggctcacgcc tgtaatcca
 300gtactttggg aagccgagga aggtggatca cctgaggtga ggagtttag accagcctgg
 360ccaacatggt gaaaccccg ctttactaaa gctacaaaaa ttagctgggc an
 412
 <210> 1849<211> 390<212> DNA<213> Homo sapien
 cgttgcgtgc ggcaattctc ctgcctcagc ctcccagta gctgggacga caggcacacg
 60ccagtatgcc cagctaattt tttgtattt tagtagagat ggagctttgc caggttgctc
 120agacaattca cctacctcg cctcccaag tgctggggtt ataggcatga gccacctcat
 180ccagccataa gttgttaggt ttaaagctt aaataatgtg gagttaaaga gtactatatt
 240aattagagtt tatgaatact acagtaatac aagccttcac tctgtaatg tttttgtgc
 300ttctcaagtg tgacttttgc aagccttcaa gacattgaag tttaattga aataggttg
 360atatacttag gcttttcacc caatccctta
 390
 <210> 1850<211> 395<212> DNA<213> Homo sapien
 ggcacgagga gagagagaga gagagagagt gagtgagagt gtgagagaga gagagagaga
 60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
 120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
 180gatttctctc tgtctccgc gcgctctctc tctctctata tataaacct ctctctctc
 240tccagccccc ccggggggg gcgctcgccc cccccacct ctctttttt tttgaatgtc
 300tgggttgc cctgttctc tctgtgggc cccccccct caggggtgc gcgcacaca
 360ctctctctt tttcttgcgc tctctctctg tgtt
 395
 <210> 1851<211> 395<212> DNA<213> Homo sapien
 cgtgctgctc gagagccctt cctcccttc cacatggtaa gactgagcc caatttcttc

60tcacccacaca gatggteccct cagagcagag atgtctaataa aaaggttcag agtcagatca
120ctaactttcc atcttccact ttttccagt gtggccatgt tccccggtt gccttcacaa
180aaaccttgtg aataatacaa gccatatgga ctctgattta cagtttagaa gatgagcaga
240gggtgggtgtg agttgcccag tcatgttgct agttgttgaa gaaactacga ttgttctcag
300gtcttgggct cctggcccat agaccagtgg ctctgtgttc tgatggggtta ttggggagga
360tttttacaaa tgcacgggtcc tgagattgtt cctgg

395

<210> 1852<211> 405<212> DNA<213> Homo sapien

cggtgctgtc ggggggntat tttgtgatgc tgctgtctct aaccaccaag tatgtgctgc
60ttaaaaagaa atgtaagggg ctgccttttag caaatgtgcg tagtagtcta cttaatcctc
120atgttaaaaa tcgaaaaatg ggccaggcgc agtggctcat gcctgtaatc gtagcacttt
180gagaggccaa ggtgggtgga tcacctgagg tcaggggttc gataccagcc tggccaacat
240ggtgaaacct cgtctctact acaaatacaa aaattagctg ggtgtggtgc cacatgcctg
300taattccagc tacttgggag gctgaggcat ggagaatcgc ttgaaccag gaggcagaag
360ttgcagttag cagagatcac accactgcac tccagcctgg gcaan

405

<210> 1853<211> 406<212> DNA<213> Homo sapien

ggcacgaggg agcaaaggct ttttggagtt tgaggctgca tctgctggag caaagggaaa
60ccgtgggctt ttccggccaa atactcttga gctctgtgac cctgctcctg tcaccccaat
120ttctccaagc cagagggagc tttctcagag ccccttgggt gatctgtcct acacctgtg
180ctgacgagag cggacttcca gctctaacag accagtgtgc ctaccctcat atgcaagtcc
240tggttaggaa gagtgaagtgc tgcctatctt atgaccgcc tgcctattgg ntgactgcat
300tctaggatga gtttcttttag agggagctcg aattcctcct ggtattatcc cctgcccc
360ttagccaggc gtatatcga tgtccccacg ttatgtcttt acacac

406

<210> 1854<211> 408<212> DNA<213> Homo sapien

cggtgctgtc ggattctcat aaggagcatg caacctagat ctcttgaca tgcggatcac
60agcaggattc gagtctctt gagaatctaa tgccatggct gatctaacag gaaactgagc
120tcaggcagga atgcttggca cggccccca cggccccca cttctatgc agccccgtcg
180tggtcctgggg actggggacc cctgctctag tcagtaataa ggtacttatg ccagaatata
240aatcaacaca ttgcttcctt tatcaaagaa gtcttgttat ttaaaaaag tcaactgagc
300cagtatgatt agtgatgtaa ttgatttca ttctggcaca agcctcttct attctggaca
360gtcacaaat agttaatgga ccattgcttg aatagccttc ctctaaac

408

<210> 1855<211> 396<212> DNA<213> Homo sapien

ggcacgagge catattggcc aggtgtgtct cgaactcctg acctcaagt atccaccac
60ctcggcctcc cagagtgtg ggattacagg catgagccac cgcacctggc cagatctttg
120tatgtcttaa gtgtttcaaa gttataagca tttttctggg gggatgtcca ttttggaggg
180atccattttg atcctttgtc ctctataatg tgaactttcc cctgttccaa cacttaaaag
240agaattatta gcacataatc taaaagatgg aattttttt ttcttgagac agagtctcgc
300tctgtcgcca ggtggagtg cagtggcgcg atcttggctc actgcaacct ctgcctcctg
360gggtttaagcg attctcctgc ctcagcctct ggagta

396

<210> 1856<211> 402<212> DNA<213> Homo sapien

ggcacgagac aataatgttc tgaatccttc ctgttcctgc tgctttctta attcatttct
60ccatgtcatc aagaggttgg ataacttatt tctaagctca aggttaaaaa tcatgtcacc
120tttttttttt tttccccac cccaacccta aaaaaattgg caatggggaa agaaccagga
180ccctaagggg ggggcgaaaa aaagccaccc caacccttgg gcctttcaaa aaaccccggt
240ttccattttt ttatcctta acccctcccc caaacttaac aaaagggggg ggggcctgga
300tgcaaaaaaa aaaccgtgaa aaaaagccta aggcgcggaa accggaccat taatggccgg
360gttaaaccta accggggccc ttttaagttg gttttaacag cg

402

<210> 1857<211> 394<212> DNA<213> Homo sapien

tgattttcga ggcaaatggg taatcctcat cctgtttcta atgtccaggg tgctgtcagc
60ctaacttctt tctatagtga gatagatag ttccagagcct tcaagctggg gtggacactg
120accgctgaa ccagtctgc agagttagga acaccagcaa tttttttga gacagtttcg

180atctgttgcc aagcgggagc gcattggccc aatctgcct cactgcaagc tctgctccc
240gggttcgagt agtttgctc cctcagcctc ccgagtagct gggactacag gtgcttgcca
300ccatgcctgg ctaatttttg tatgtttaag aaagacaggg tttcaccatg ttggccagga
360tggcctcaaa cttctgatct caagtgatcc accn

394

<210> 1858<211> 402<212> DNA<213> Homo sapien

ggcacgaggg aagattaatt tatccttgtg cagccctgag atcaggaagg aggacaggcc
60aggagatggt tctactccag gcaccactaa ggactctatt tcaaaggcag atcctgctcc
120ttagtctttt tagatctgaa tctaactctg aatccacaaa attatcctat gaattctggt
180ttatcaacgc acatgattcc tggcaccatt gcatagcttc aaggtaaaag agagccttgt
240ttccattatt ttgctatggt ggcttttggg aagacagaga gcattctttt gaaagcggga
300aacttaagga aaagtggcc aagtacacag gaaagttcta ccacacctta atatagagaa
360caaatagat gcttctcatt tggggaaagt agctaagagg ac

402

<210> 1859<211> 159<212> DNA<213> Homo sapien

gacacatcaa ttgtcaataa atcaaggcac actgcactgg acattgctgt attttggggt
60tataagcgtā tagctaattt actaactact gctaaagggt ggaagaagcc ttggttccca
120gcgaatgaag ggaagaatg tgacaattat tttagcaag

159

<210> 1860<211> 403<212> DNA<213> Homo sapien

cgttgctgtc gcaaagatct gaaccagctg attaccatct tggtcacttg agaactcagg
60tctgtccaat aaacacccta atccaagggt gtgttaaata catatatata tatttttact
120ttacgtttat ttattttgaa aaatttcaaa cctatagaaa aattgaggca gtaccatagt
180cttagtccat tttccattac ttagaatatc caaaagttag taatttataa agaaaattaa
240tttatttctt acagctatgg aggccaaagg cgaggggaca tatctggtca gcgctttgcc
300atgttgggtca ggctggtctc gaactcctga cctcaaggcc tgccttggcc tcccaaagtg
360ctgggattac aggcataagc caccgtgccc agccacctct gag

403

<210> 1861<211> 402<212> DNA<213> Homo sapien

ggcacgaggg cctttgcaac cactgatggg aggaacagag agcagcattt cagaaccagg
60ttctccttcg aggaacagag aaaatgaaac cagcagacag aatttgcag atggaatttc
120actcttggtg ccagggtggt agtgcaatgt cgcgatcttg gctcactgca acctccacct
180ccccgggttca agcgattctc ctgccccagc ctcccgagta gctgggatta caagcacctg
240ccaccatgcc agagtaattt ttgtattttt agtagagatg ggttttcgcc atgttgccca
300gactgggtctc aaacccctga cctcagatga ttcattccacc tcggcctccc aaagtgcctg
360gattacaggc atgagccacc aggcctggcc cattctgtct tc

402

<210> 1862<211> 440<212> DNA<213> Homo sapien

cgttgctgtc ggaacttta ttaagtgaac ttaacctgag ataaaaattt ctattgacta
60gaaatcccag tctatttcag atctccccct ccaatctcct atatgtagaa gtgtgacttt
120tgactttgat atttttccct tatgggtgga gttcattttc ctctcagagt aatgtcatct
180gtttttcttaa aggcccttct tagataccga aatttacaaa ccattaaata aattgagagc
240ctgaaaaagt tgtacttgtg acaaagcctc tcaactgacac ctacagaaca gcctcctctg
300ctattgagtc acttgaccgg gatctgtatc tcttcacaaa gctactatcc aggcctattt
360tagggctctg ggacctctgc tgagatcact cgtaatatata gtcattgtct atgtgccage
420agcagttaaa ttctatccct

440

<210> 1863<211> 413<212> DNA<213> Homo sapien

ggcacgaggt ggcttcgcct ttgaccttta tgctggtctc ggctgaggtg acacgctagt
60gacagcccaa tagggggtta cccttattga gtaaaatact tcagattgac agctcaatct
120tagtttgctt ccagttatc ttttatgctt agggattaaa tgtgtggttt ttttttgggt
180tttttttttg gaaacggagt ctgcctttgt caccaggtt ggagtgcagg ggcgcgatct
240cgggttaattg aaacctctgc ctccggggtt caaacgattt tctgcctca cctcccaag
300aagctgggat tataggcccc caccaccatg cctggctgat tttttatttt tagaaaagat
360ggggtttcac cgggtggggt aggcctggtct cgaactcctg acctcgggat can

413

<210> 1864<211> 408<212> DNA<213> Homo sapien

cactccttgg ctatctcaat ccatttccct ggatcctgaa tcaataggaa cgtgttaca
60tggttgctca ttcttgcttg cttttaagta ttttgaataa gctaggcaat taaaaaaat
120tttttaagag tgcttcataa gatgaatgga aggttaagtt gctgactaat attcttggat
180ccagaatatt agtccctcac tttatggctt tgtacatagc ttaagctaac caactctttt
240ttctcatatg agagtaatat ataaattttg agttatagga ggcataaata ttttcattac
300attttccgta agtcccttta gaagagtgtc ttctatttca gacattgttg acctgaaaat
360ctcttaaaat ctgtctgcc aacctgtgga gtgatggcct cacacagg
408

<210> 1865<211> 389<212> DNA<213> Homo sapien

gtttggaggg caaggccggt tgattccttg tcgctaggag ctcaagacca gctggggcaa
60tatagcaaga ttctatctct aaaaaagaaa gaaaacattg gctgtgcatg gtggctcatt
120cctatagtgc aggctactga ggagcctgat gtaggaggat cacgtgaccc cagtagtgtg
180aggctgcagt gagctatgat cctaacactg ttctccagcc tgggtgacac accatgttga
240catctcttcg aaaaaggaat ctacagacat cagtgtgtgc acaagcatgg cttgtgaatt
300tggaagtgtg tatgtgcgta gctgtgctca agaattgtgt gatgattata cttctcaga
360atgaaggtaa ttattttttt ctttttttn
389

<210> 1866<211> 398<212> DNA<213> Homo sapien

ggcacgaggt ttaaagtttt aaaaaaactt ccaagattat ggataagccg gatttctctc
60atgcttatga ttagggagtt aggatttaaa gatgcaaagc agaaggactg aaaggaatag
120ccagtgaata tgtttcagtg ggggaggtgt gaaagctttt ctaataataa tcgttgctat
180ggcctgtgac tgcttattct ttatcaatga gaactcacca aactagtctt tttcttgatc
240tgaggaacca cacagctcac atgagaatat actactggga ctagggtgac ttcactccct
300ttcacctgag gcctatcttg gccttttagc accttgacta tctatgaaaa gactgggtct
360ttgttttccc atgtataaaa atgatgtgtt ggataatt
398

<210> 1867<211> 410<212> DNA<213> Homo sapien

cgttgctgtc gaaactgcc aagccacgag gagtctaagg acacatccaa ttccattcgc
60catccaaaat ggaatccgag acagaaagag gaccttagcc ttcatatctg ttttttctt
120atgaagcttc ttctgggttg aaacttgctc aatttcatca ggtaagaagt gctaaagtga
180acctgtaaac ttgtttcaa aaaacaaaaa ccgaagttta agaaatctaa agatgggtgc
240agccttagac agatctcttg actgtaatct gggaaagggt aaataagatc tccaatcgtg
300tacaattcca aatacatctg agagcagtggt gtctgaaaat gtgggtccca gaccagcagc
360atcaacacca tgaaggaagt tgtaaaaaat gcaaattctc aggtctctcn
410

<210> 1868<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggattcttta atattcttac ttccataaat agtgtttagt tgaaggtaat
60tgattcatga ggaatatttt ccacatgttt ttctgcattg ggggaacatg ttcatatagc
120acattatttaa gactgctggc caggcgcggt ggctcacgcc tgtaatccc aacacctgga
180aggccaaagc aagtggatca ctttaggtca ggaattcaag accagcctgg ccaacatggt
240gaaacccac ctctactaaa aatacaaaaa ttatccgggg gtggtgactc atgtacctgt
300aattccagct acttgggagg ctgagacatg ataactactt gtaccaggg agcggaggtt
360gcagtgaagt gagatcctgt cactgt
387

<210> 1869<211> 405<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt gagttagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga cccccctctt tctctcgccc cctgtgttt tttttttgt
180gtcaccccc cccccctct atgtgtggt ctatgtgttt ttaccccc ccccccccc
240ctcttttgtg tctctcacac aaaatgtgtg ctcttttctc tctctctcac ccacataaa
300gatatttatg ttccctctct tttctttctc tcgcgcgccc ccgcgcgct tttctctct
360ctctctctc gcgcgccaca tctctctctc tctccccg cg ggggc
405

<210> 1870<211> 403<212> DNA<213> Homo sapien

cgttgctgtc gcctactggt actttgtatt taagatgata gtccaggtgc tcaggccact

60ttaaagattg ctctaaactg tatggtgaag ttggccaagg gcaggcccca tcttagccag
120tcagtagttg agaccttgtt gactcaattg cacagtgttc aagacgctgc ccggattttg
180atgtgccatt gctggcagc cattgccatg caactgccgg tgctgggtga tgggatgctt
240gggtgacctca tggagctgta caagggtgatt ggacgatcag ccacagacaa gcaacaagaa
300cttctggtga gtttggctac tgtgattttt gttgcaagtc ataaggcatt gtctgtggaa
360agtaaggcag taattaagca gcagcttgaa agtgtctcca atg

403

<210> 1871<211> 401<212> DNA<213> Homo sapien

atcggcacga gattttatat gaccataatg tttgtgtgtg ttttgacct tcagccctt
60gttatttggtc cgtatattac ctgtaagcag atactgtatt ttattttagc ctatttgaca
120gaacacatca ctcaaaaaa gtgaagtttc agagcaaaca gtgaagaaat cagtgtgatt
180gtagacaaaa agtcagttta cagaacggag cagcggggag aggaagggaa aagcttcata
240gtttggtgct tatcacatca agagattggt aaatttttga tgaagacag gctaattggg
300ctctgaaatg gaacaactcc tttaaacgtg cagccttttg aatttttcc cacaaccaag
360aagttgacct ctgagctgtc aggtgaccac tgtgtgcaaa g

401

<210> 1872<211> 385<212> DNA<213> Homo sapien

gcacgaggtg acgtggtcat agctcactgc agcctcaacc tctgggctc aagtgacct
60cctgcctcag cctcccaaag ttctgagatg ataggcatga gccattgtgc ctagcctatt
120ttgatttttt tcttaaagtc aaggtcttgc tctgttgccc aggtgatct tggacttgcc
180agccaccatg cctggctggg tttttacaa atagaatctc actgatagcc tgcaggagac
240agatgcagcg cctgcttccg tatcagtcac-aggagcctc gtgtttgcca cctttacctt
300tgaacctccc cctgctccc tgcctgtgtc cgcttttgca gctcaatgag gccatgacaa
360ggagagaaaa gacactggaa ggccc

385

<210> 1873<211> 404<212> DNA<213> Homo sapien

ccggtgctgg cggatcttct ctaatatattt atttgccaca ggctttattt tgaatatgct
60ctagattttt atttagggg ctgtgcatta tgaaggctt tttatagagg cccaataaga
120atgccttttt ataaagcctg tgcatttagg taggttgaag ctaggaggat tttctttata
180atgctctttt gcatgtaaag cacaagtat gtttcagttt aaatgcactt cttccgggta
240atttttatgg ggaagacaag tgagtcacaa acattctgtt gaagggaaat ctaaccagat
300gcttgaaaga gcacagccca aataaaacaa ggactgacta ggtgtaatga aataacctgt
360gattaaaaag aagagctgca gctttgacag tgcttattta aaga

404

<210> 1874<211> 401<212> DNA<213> Homo sapien

ggcagcagga ggtacaaaac ttgggatcaa atggaatctt gattcactaa ccaatttaag
60agctgacctc taatttttagg aactttgggt tatgaacgct tccattttat acctgtgtct
120agtttagtttc tgcctatcta tccgagaagc ttttatcaag ggtacaccat gtgccagcca
180ctgaagtaga tataaatata aggatgtgta aggtatggat gatggtatac gaactggcat
240cttactggat ttgtccgctc tgttaaagat actgatccga aaacttttta aagccctaga
300gagggcttta aggcaatgta gcatcatata tagaggcatc aacctgttca tatctttcta
360tttaacagaa ctgtgctcct gggcacaagg gtgtgcacaa a

401

<210> 1875<211> 397<212> DNA<213> Homo sapien

ttattccgtt gctgtcggct tcaggtatca aggttagctt tgggaaccag actacagatg
60agacagctga aagcaaaagag gctgaggcgg agcacagacc aaaaaagagt ctacggggag
120aagaagggaa gctagtaagc aacttatagg gggcagtgta agaaatgtca catgttacat
180cgctcacaca gagaagcaga atttatcaat tttcaaaggg aaaaatgtct tgtctactga
240caaggattta atttttgctt ttttttttt tgaaggggg gcataatttg tttcccaggg
300cgggagtaat gggataaaat ttggtttatt tgaagctccc cctcccggtt taaaaccatt
360ttttgggttt aaacctccaa gtagctggga ataacgg

397

<210> 1876<211> 465<212> DNA<213> Homo sapien

gggaccgaag aatcaccgan nttnnnatag gatcccagtc cgttgtgtc gctggagtgc
60agcggcacta tctcagttta ctgcaacctc cgccttctgg gtgcacgtga ggctcttgcc
120tttagcctctt ttagctggg actacaggca cgtgccacca tgcctggcta attttgtat

180tttttaata gagacggggt ttcactgtgt tggccagggt ggtctcgaac acctgacctc
240aggtgatcca ttcgtcttgg cctctcgaag tgctgggatt ccaggcgtga gccactgcgg
300ccagcacatt tccactttta gactctactc cataccacag gtttcattta agaagaaga
360gctagataaa tgtgctcttc tggttacccc accctgacag agtgcatttt tacacggcta
420gcagggggtg agactgcagc ctggcctgcc agccattgga ggtgg

465

<210> 1877<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtaagac aatcagatat ggtgaggcct gtgttaaact gggcatcttg
60ttgccatata gaagagatct tctcttctta cggattttatt tctctttttt cgtgctttgt
120agcaaacata agacattttt agcacacctc tcttttaata gtactattct tgtgtggcaa
180gtactattct tgtgtgacaa gagaactact gagccacaga gtgacgatca aaagctaggg
240gtggaataaa ggtgtacaaa ccagctttgt gaccttgtgc aatcactgca cctgcctggc
300ctcaactttc tcattgataa cataagaata gcaatgatgc tttctttata gggctgaggt
360gacgattaag agttaatata gaacttag

388

<210> 1878<211> 429<212> DNA<213> Homo sapien

ggcagagcgc ccggccccag tccccatggg ctgaaggcag gttgagttct tccccaggtc
60tgcgagcctc gaaggcttct ttcagacagc agaccctta caagcgcaag gctgctttct
120gacaaagaat caagtgttcc ttcaaccag ccaagggact ggtgttctcg ctgacccttt
180gacagctcca gccggctcct ccgttcgagg tccctgactt cctgcaacag actgagatgg
240ccttctgagc ttttccaggg ctgacgacca ccttcttgat accttccct ctctcgatct
300gaatccgtgc ccaccagatg gggccgtcta gttgcaggaa aacaagctca gggctccac
360tgattctaca tgatgggaat ccaggcttct ggagatgagg actgggaggt ctccccacca
420cacaagcct

429

<210> 1879<211> 433<212> DNA<213> Homo sapien

cgttgctgtc gggagctgct cccaccttcc tgacctacc cctgctgacc attccccag
60ctgggttga aggttccata actggccagc tgccccata actggcagca tccccagac
120cagggctactc taataggggc ggctcagga ctgagactac cgtcaccac cagggtgggt
180ttcaggagtc cgaggtagcc ttcaatcact ggactccatg gccttccctt cgtgttgacc
240ggaccttctc tccagggctt ttcctttggg ggaggcggag aggggagaag aagggaagga
300agggcagaag gaaggaggga agaaaagaaa gcaaaggaa agaaggagg aaagaaagat
360gggagggaagt gcagcaggaa tagcacctc tccccgggag gccctagctt ccgtgagggg
420ccatcaccag ccn

433

<210> 1880<211> 422<212> DNA<213> Homo sapien

cctagcgcgc cccgggtggc tgcagccgct ggcccgaaaa tgcgtctcgg gcgagcaggg
60gtcagcgagg aaaagaggac tccaaatcca ttctctgct gcccccagg caatgctgac
120aggagaggga gtgggttccc ccgcaggcta tcccaccgat ggggctgaga gcttaactcg
180gggttttatt tgaattggag acattgttcc ctcttcgctc ctctacccca taaaattccc
240tacaatatgca aaaattccag atagaagaag ccgtccctga aagtaagttc tgaaggattc
300ctttcatgcy gtgaaggaa aacaacaata ttcaacttca ccttggtgtg tgagggtcga
360cgtgctttac aacactatcc ctgtagaaag attactgaaa tgtattggaa gaagtagtgg
420ag

422

<210> 1881<211> 418<212> DNA<213> Homo sapien

gtgagccgag attgcgccac tgcagtcgct agtccggcct ggccgacaga gcgagactcc
60gtctcaaaaa aaaaaaaaac cttgccgggg ggataaaaaa cccggggcct ttggcccagt
120ttgggaagtt ttatggggga agaattgtta aactaaagcc ctttaggggtg gcggggcttt
180ttaataatcc cgttttttac aacctgggca aaaaaataaa accccctttt taaaaaaag
240aatttggcca aaacaagggg ccttaaccct tgaatcccaa ccttttgggg ggggtggaccg
300gaaccattgg agtaagaat ggggaacag gccttgacaa aaaagcgaag acccattttt
360tcaaaaacca aaaaggtaaa aaaaaattgg gtacgggggc ccagccctgg aaacccaa

418

<210> 1882<211> 417<212> DNA<213> Homo sapien

cgttgctgtc ggaacatggt tttggctatg gcttgactca tgggctttca gtgctttttt

60ccatttgttg aaagtaacat ttctctctct ctctctttct attttttctt ttcaaaagc
120aaacattggg tggggaagg gtc aaagcta ctttttgccg tattgggttt ttggccacc
180cttccctttt ccaatggaag gccaggtaaa aaaaaccgcg ggaggggcgg ctcatTTTTT
240taatttttaa aaaagggggc cccaggggtg caaggcaata aaattggaaa tgaccctttt
300gagaactttc gtttttgctt aaaaacagc gggttgatga gaactcaaaa acctaaaaaa
360gatttttagtc aaagggaggg ctctttttct caccggacct ttaaaaaaa aatggcg

417

<210> 1883<211> 393<212> DNA<213> Homo sapien

ggcacgaggt gagctcttgg caggacctaa acctccttgg aagataggca gaaagctctc
60gacaccattc catggccac gaaccaatgt aagatgagca aatggcttga aggaattgct
120acctccaggt caagccagg atgcagact gccgagacca cgtttgtgcc aagcactggg
180ctggaccctg tgcagaacca aatgaacaag gcacgttccc ctttcagcac taacggcact
240gtaagaacag ggagaagtgg aatctaactt ggcctgaggg tagagggtga tcagctaagt
300ctgaaacacc atgtaaaaac ttgccatgta tggccgggcg cggtggtca cgctgtaat
360cccagcgctt tgggaggcca aggtgggcg atc

393

<210> 1884<211> 185<212> DNA<213> Homo sapien

cgctctcatt gattagtga acggaccttc caaacctggc ttataagaag ctaaaaggca
60aaagtccagg aattatcttc atccctggct atctttctta tatgaatggg acaaaagcgt
120tggcgattga ggagtttgc aaatctctag gtcacgcctg cataagggtt gattactcan
180gagtt

185

<210> 1885<211> 392<212> DNA<213> Homo sapien

cgttctgtc ggctgaagc tcatgaagct gaaatgtgg aagttcactt tcgcgccatc
60cagcccagaa catcttttta cctgctctga agatggatcc ctctggcact gggatgcttc
120cacagatgta cctgaaaagt cgtcactctt tcaccaagggt aaaacttttt aatgaatact
180gttatgtgta cttttttttt ttttttttaa aacaaagtct ctttttatcc cccaggctga
240aaggcagggg cccaatttcg gtttaattgaa acctccgcct ccggggttaa agcaattttg
300gggcctcacc ctcccaagaa gccgggacta ttatttttgc cccccggcc cgggctaatt
360tttttgrttt ttaaggggaa aggggttccc ct

392

<210> 1886<211> 413<212> DNA<213> Homo sapien

taaggccac agcacatata gactgactgc gatattctat tttcatggca gggagtgate
60aggagaagg cttcctaggg gactggcgat ttaaaccagt tgagaaacac tgccatcagc
120aggcagtttc agactcactc aagttgtctc ttgacagtca cttctaaatg ggttctaagt
180tgacaatggc ctccaaaact acagccttcc ctgaagtta agctgtgacc ttagatttta
240gaaggacagt ggggctgtac ctagaatagt ggttctcgaa gaatgcggcc tgcagatcct
300gggagtccca agacccttcc agggaggatc tgtgaggtca actgttggca ctgtggcatg
360aatcaagggt gtggcagcaa acttctagta gttttgatat gtccttgata gan

413

<210> 1887<211> 387<212> DNA<213> Homo sapien

ggcacgagcc agccttgaac ttctgggact aagtgatctt cctgccttag cttcttgagt
60agctgggacc acaggctcat gccaccacac ctggctctaa cctgaaattt tcaatatgat
120cataataacc ccagcgtgtg ttaacctaca gattgctcct taaaactcaa ttgcttttagc
180agcttttaag atctcccca tcccttacta ctacactttt aggctgtata tcattccagc
240cctaagctcc agagagcctg gttcaaatgg aactacagt ttttccatg cgtatttaat
300gctcacagaa caaaccceaa tagaccacaa cttcactca gactaacaca gcattctact
360tgcctggcag gttcacagat cataaat

387

<210> 1888<211> 422<212> DNA<213> Homo sapien

tgcacgagga gagagagaga gagagagaga gagatagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagacagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gcgagcgaga gagagagaga gagagagaga gagagagtga gcccccccc
180ccccccgcac ccatgtgcgc ctgtgtgttt ttttgtgtc gggccctgt ccccccccg
240atctgttctt ttctatccat ccacatgctt gtgtgtgtat cctaaccccc agagtcttga
300cttccagagc tacttttcc ttattgctt gtgtggcgca cgcctttttt tcttcttat

360gtctagaccc acgctctctc tccttgtatt ccctgcgttg ggctgaggac accccgcacc
420ct

422

<210> 1889<211> 410<212> DNA<213> Homo sapien

ggcacgaggt gaccttgcca tgcattcatat ctcgaggcac gagatatcac agtgtcctgc
60tgaggatagt catttgata tcttatttaa agtgggtgtct gtcaagcttt cccaccgtag
120gttgctctat ttcccttgaa atgaacaagt aattgtggg cgattttttc ggactatatt
180catatgtttt gactcatcaa attgtcacct cctagattgg gcatgcattg atgattctta
240cccaagtcaa gtattattac aatgggtgtc agatggcaat cttctaattt catttggtga
300tctgcgcccc tcaattggca ttctacgaaa atatggagcc gtcgtgagct tgcacacct
360tgtgcaagag ctatggctat gctgagcttc tccacatatt tacaactatg

410

<210> 1890<211> 402<212> DNA<213> Homo sapien

ggcacgagat atctctacaa cttgtctcc acaagttatt aatgaagtgt ggcaagaaga
60aacaattggg cgtctactac aacttgtaga ccttccactt cttgactcct tactgaaaca
120gcaagaggct gtacctaaaa ttctcaacc taagaggcag tccaccatgg tcaacagcag
180taactatctg gatcgaggga ttctcaaggc ttatagtac tctcaggaag atgagtggct
240ctcggcagca attgactgtt tagaatacct tccagaccaa atggtggtgg aaataagcag
300aacctttcct gagcaaccag accgaacaga cttagtgaag gaacttctgt ttgatgccat
360tggcagatat tacagtagta gggaacctct gttaaatcac tt

402

<210> 1891<211> 412<212> DNA<213> Homo sapien

ggcacgagcc gtgttaggct tcgctggcgt aaagtcccc ggagctttgc cctcacgga
60gaacgttagt tgacctgat ggggacctgt agggtaaagg ttttgttttt gttttttttt
120acggaaaagg ttgtggttag gccccttgga aagttgcgac aaaactcgag ttagacaagg
180aaggtcggaa ctaagtggcc acagcaacaa tgcaccagca agcaggagc gtgataggaa
240gagctaaaga ggaatcggga aacctggag atgggtttca ccatgtttcc cagcctgtc
300tcaaactcct gacctcaagt gatccgccgt cttgggtctt cgaaagtgtt gggacagcag
360gagtgcgca ccgcatctgg cccggaaagt gttttggagc gtagaaaaat gg

412

<210> 1892<211> 399<212> DNA<213> Homo sapien

cgttgtctgc ggatccatgt ggaacagagc cagctggggg gttgggcagc tctctccaag
60gcagtaccta gagcccagct gaacaacaag gctttgggtg tgaagggact cccagcctg
120gagaccctat ttggctgaaa cagttacaaa atatcaaat tgttgtcaga tattcctcca
180attgttcaca tagctgggat atttgttgc cccctcaccc cttggattat gtagggagcc
240agtgcacaca gctgtttgt tttagtatcc aaggaagaga ccaaggagcc agctggcggg
300aaggggtggg gtgtgcaanc tgccctgtcc ttctgtcat aacctgacaa aatgccaaac
360tagcaagcag gatagctgat accacggcta tgagggagt

399

<210> 1893<211> 394<212> DNA<213> Homo sapien

ggcacgagag agagcttacg aggtttgatg tactttgact acttgactca ttctttaata
60atcttcacct tgccttgccg caaaactgat taaagggaaa agacttatac acatagaagc
120acataaaata aatgtacgca ttaaggagcc gcacgatgat aagggaagga aaatattaat
180attatgaagc cgggttccag tcgcattgct tgatgtgagc catatattta gctctcagcc
240tcctggttg cagagcaaaa aggcaaacgt gaatcacata gtgtagacga agaataaaac
300acttcttgc catggggtcc atccagagcc tcacaatgtt tacagatgtg tctgactcat
360aatgtgagtg ctggctccta agatccacaa aggn

394

<210> 1894<211> 162<212> DNA<213> Homo sapien

atgttaaagc gccagttaac cactgggaga gcatccggac agacgtttcg ccaagatggg
60tggaatggcc agttaaccac tgggagagca tccggacaga cgtttcgcca agatgggtg
120gatggccagt taaccactgg gagagcatcc ggacagacgt tt

162

<210> 1895<211> 396<212> DNA<213> Homo sapien

ggcacgagcc aatgagctac tctgacact aatggagaag tgtgccctca tggaagccct
60ggttctcatt agcaaccaat ttaagaacta cgagcgtcag aagggttcc tagaggagct

120gatggcacca gtggccagca tctggcttcc tcaagacatg cacagagtgc tgtcagatgt
180tgatgctttc attgctgatg tgggtacaga tcagaagagc tgtgaccag gcctggagga
240tccgtgtggc ttaaaccgtg caggaatgag cttttgtgta tacagcattc tgggtgtggg
300gaaacgaact tgctggccca ctgacctaga agaggccaaa gctgggggat ttgtggtggg
360ttatacatcc agtggaaatc caatcttccg taaccc

396

<210> 1896<211> 409<212> DNA<213> Homo sapien

ggcacgagaa tgactctgtt attaaagggtg gcatggagac tgtggaggga atatttttta
60aagcactact catatccttt aaactaaatt ttgccaaagc ccgagacaac attaaggaga
120aattgtacct taagtttagta attccaaatc tatctgagtt gtatacccat caaagacaat
180acagctatta tcatagatga aggtatgcta taggcatgat tcattatctc tatattgaat
240agggtgaaaga taactgtagt cagggtgaaag gcattcatta tttttaagct gaaaagggga
300tccttgaaaa cactgaaaac ctctacaaca atcttcagga agcctgctat cttgggatcc
360actaataata ggccaagaac aaaggcgagc atccattcct cactccacg

409

<210> 1897<211> 433<212> DNA<213> Homo sapien

ggcacgaggg gcaaacctgg agaaccctcc taaatccata gagttttcaa aatgtgaatc
60tttggaaagc ttgagttcag aatctgctgc tctggaatat ttcccttcga tcttatctca
120gtcacttcgt ttttgagaag agtgatgcct tgggcatgct tttttttttt tcttttttaa
180aaaacagggg gttgaagccc accctattta aaaaaccccc catttgagga attacaaggg
240ttttgtcctg aattggaggg tgggcaagcc caagccactc gggctaactg gttttgtct
300cgngngctat tccaagaaca aaaggaggaa gttggcccat taccgggggt gtccttgat
360gttgtttggg ggcgcgtgcc tttcaaaaac cccgccccaa aacaaccgg gaagggggag
420ggccccgctt ccn

433

<210> 1898<211> 399<212> DNA<213> Homo sapien

ggcacgagga aggcctaccg acttacttta tcattgaggg cttactgata caatgaaatg
60agtttcatga cttttttttt ttttaacccc tttttgaaaa aaaggggggt gggttaaaac
120ccaaaaatat ccttggtgct tttgaaaaga aggcattgaa acaaaccttt ttgtagccag
180ggtttaaaaa acggaccggg ttgggccctt cttggttaagg ggggacttca gggccccggg
240aaggccggtt tgggggtaac ctgaggggga cacaggccct ggggggggag ggttttttta
300actgggtacc cgggcccata ggcagacttt ttaaaaaaag gtccttgaag ggggatgtgc
360aaagacatgc gggcccgctt aaaagcgagg attaaaaan

399

<210> 1899<211> 417<212> DNA<213> Homo sapien

ctgctccac tgtctttttt tgtttttttg ttacaacct taaaaaacgg gcttgccatt
60ctcaccccaa gtttcatggt acacaagccg cagcagccag actgtagctt gccaacactt
120gctagaccat tgctcttcat gttcaaactg ccagtcagga gcacaaggac caggaagtgg
180cctgacttgg ccaggaccac tcagcccatt acagttagga ggagcggcca gatctcagcc
240ccatccactt gggaagtcag gagaggcagt gaacacatca cctgaaagtc agaggtcttg
300cgaaatcacc accaaagcat gtattgttac aggtaatagt gctgagagtt caacagagga
360cagggagaag gtgactctgt aagactgtgc agggaggag gacagccact caggagag

417

<210> 1900<211> 401<212> DNA<213> Homo sapien

ggcctcagaa gctctgggtg tgccagagga cccccagaac taacaaggga gggcgagtgg
60gtctccattc cccgagaagc caggggcagg gtgggatggg gaagaccagg agcagagtgc
120agcctcacag aagccagcgc ggggtctctgc tcagcacccc agccggggct ctggaccag
180ggtaacagcc ccagttcatc ccaacccctc tcagagccctc aagaggggta gctcggctgc
240cggaagagag gggagcccta tccctggcaa cccctccacg tagcgtacc cagcacctgc
300caccggcttt gccatttctt tgagcttgaa gtttaactctc ttagagtcta actgtggttc
360atttctgcac aggtacaata gatgacttta tttgtttaga a

401

<210> 1901<211> 407<212> DNA<213> Homo sapien

tttcagttca ctttatttac tatgacacat actttcagag tcctagatgt gctgtcatcg
60agtcccaggt cacatcgtca cactcatcag cctctgcgg ccagtgtccc cacctcctgc
120catgtttccc tagtagcttg gtctttatcc agaactgtga ggctgctgtg ggggtgcagcg

180tccttaggag ggtcctgctg gaggcagtgcc cctaagttag tctggactgt gtgaggcacc
240ccagccctcc acggcaaggc cggggcctgg ggggtgctgt gcctgtgtgc agcctgaagg
300ctgcccctctt gctgccttca gcgagtggga agctggtcag aggggtgggc actcctctgg
360gctccgccac ctccctggcac accccatttg gtctctgtcc actcctg

407

<210> 1902<211> 407<212> DNA<213> Homo sapien

ggcagcagca tttatatata tactatatat ttcatatatg tatttcagga atttatagac
60cagacattca tatatagatg cggaggtata tatgagcgcg tgtgtatata cacatatata
120ttttatcgtg taccgtata tacatatata cgtatatatg taaacgtata
180tatcacgta aataaatata tttatatata cgtatatatg tatcacata tacacatata
240taccgtatata tgtatatata cgtgtatatg tatgtatat tgtatgtata taccgtata
300cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca
360cacacacaca gagagagata cagagagata tacagagagt ttagaaa

407

<210> 1903<211> 389<212> DNA<213> Homo sapien

cggtgtgtgc ggggttttgc aatcactaaa gatgcttgtt ttgcctcagc agtagaatgt
60ctgcagcaga tcagcacaaac atttacccca tcagacaaac ttaaggatcat ccagcagact
120tttgaggaga tctctcagag tgtcctggcg tcactccacg aagacttctt gtgggtccatg
180gatgacttga ttccctgtttt cttatatgtg gtgctacggg ccaggattag gaatttaggc
240tctgaggtac acctcattga ggatctaag gaccctatc ttcagcatgg ggaacagggt
300ataatgttca ccaccttgaa ggcattgtac taccagattc agcgtgagaa gcttaactag
360gctgcataac agcttgaaaa ctggattat

389

<210> 1904<211> 390<212> DNA<213> Homo sapien

ggcagcagcc catctctact aaaaatttat ttttagccgg gcatggcggg gcatgactgc
60aagcccagtt acacgggagg ctgatgcagg agaattgctc gaaccacga tgcggacgtt
120gcagagagtc tagatcgcca tatatatata ttctgtatata tgtatatata cacacatata
180tattcgtata tgcatatata cacacatata ttcatatata ggcatatata catatattca
240tatgttctca taatatacga atacacctat atgctcctat atgtatatat aacatacata
300tattgatata tgtataaata atattcataa atgtatatat gcatatatac tcatatatgc
360acacatacat attcgtatat gcgtatgcac

390

<210> 1905<211> 390<212> DNA<213> Homo sapien

ggcagcagag aatgccgact acttctccaa ctatgtcaca gaggacttta ccacctacat
60taacaggaag cggaaaaaca attgccatgg caaccacatt gagatgcagg ccatggcaga
120gatgtacaac cgtcctgttg aggtgtacca gtacagcaca gaaccatca acacattcca
180tgggatacat caaaacgagg acgaacctat tctgtttagc taccatcgga atatccacta
240taattcagtg gtgaatccta actagccac cctgcactc tctctcattg ccgctgccac
300tatcacctgt ctctctgcca gctgatgtgc cctgttgccc cccaccccat cccgcacaga
360accatccctg cattccacag gggactcggg

390

<210> 1906<211> 396<212> DNA<213> Homo sapien

tgcacgagcg gcgactcacc cggattgata tgccgtgatc tggctatatg gtggggcgcg
60ggcggtgccg ctgcgacgag ctggtgctgt tctcacatgt ttcctttcaa tgggcttttg
120gtgtatgatg taggcgaacc aagaacagga ggaggtgatt acagtgcgtg ttcactaccc
180ccgagtgcac aatgagggct cctggaactc ttatgtggat tataagatat tctccatac
240caacagcaaa gcctttactg ccaagacttc ctgtgtgcgg cgccgetacc gttagtctgt
300gcggctgata aagcaactac agagaaatgc tggattgggt cctgttctct aacttgetgc
360gaagacaatc ttcttcggca cctcagatga tgtcat

396

<210> 1907<211> 407<212> DNA<213> Homo sapien

cttccatagc ttggccacct attgtctca gaatacctca tctgtgttct tggataccat
60ctcacatgtc cactctctgc tgttctcgtt caccatgaa gttatgcctc tgcaggacag
120catcagcttg ctgctggagg ccgtgcggac canaaatgag gagctcgccc agacatggaa
180gaggtctgag cagtgggcca ccatcgagca gctgtgcagc acagttggcg ggcagctccc
240aggtctccat gagtacgggg ccgtcggggg ctccacacac acggccactg cagccatgtg

300ggcctgtcag cactgcacgt tcatgaacca gccaggcaca ggccactgcg agatgtgcag
360cctccccagg acctagggcg cctgccctct gctggctagg accgggc

407

<210> 1908<211> 399<212> DNA<213> Homo sapien

caagccagtc aaccgcgaga agtgaatatg tactaccaga acacttacca gacaatgcct
60tacgggtcat cctatggcat tccttatagt tatacggcct atggatcatc agatgccaaa
120tctcaaaaaa cagataatac agtccctttc aaaactccca gtaatgagat gactcccgtt
180actattgatt tggtaaagaa acagcttaaa gacaggttgg actccatgaa agaattgcac
240aaaacaaatc gacagcagca tgagaaacat ctgcaaagcc gagtggactc taccagggct
300attgaaagat tagaagggtc ttctgggggt attggtgaac ggtataaatt ttgcaagaa
360atgcgagggt atgtccaaga cttgcttgag tgtttcagn

399

<210> 1909<211> 407<212> DNA<213> Homo sapien

gaagattcac agtggacaat gtttaaggag atttttagagg gcattcagta aggggtgtcag
60ctgtctaacg ttttctaagg atagcagtc aatccttaat gcttcttttg accagacaat
120tagaattcat ggtttaaaat ctggtaaaac cctgaaggaa tttcgtggcc attcctcctt
180tgataacgaa acaacattta cacaagatgg acattacatt attagtgcac cctctgatgg
240cactgtaaag atctggaata tgaagaccac agaattgtca aataccttta aatcctggg
300cagcaccgca gggacagata ttaccgtcaa cagagtgtatt ctacttccta aaaaccctga
360gcactttgtg gtgtgcaaca gatcaaacac ggtgggtcatc atgaaca

407

<210> 1910<211> 408<212> DNA<213> Homo sapien

ggcacgagac aggcaccaag atgtccaacc gagtggctctg ccgagaagcc agtcacgccg
60ggagctggta cacagcctca ggaccgcagc tgaatgcaca gctagaaggt tggctttcac
120aagtacagtc tacaaaaaga cctgctagag ccattattgc ccccatgca gcatatacgt
180actgtgggtc ttgtgctgcc catgcttata aacaagtga tccgtctatt acccgagaa
240ttttcatcct tgggccttct catcatgtgc cctctctctg atgtgcactt tccagtgtgg
300atataatag gacacctctg tatgaccttc gtattgacca aaagatttac ggagaactgt
360ggaagacagg aatgtttgaa cgcattgtctc tgcagacaga tgaagatg

408

<210> 1911<211> 392<212> DNA<213> Homo sapien

cggcccgcaa taaggattac aaggcacgct tgacctgtcc gtgctgtaac atgcgtaaaa
60aggatgtctg tcttactaag tgtttcatg tcttctgctt tgagtgtgtg aagacacgct
120atgacacccg ccagcgcaaa tgtcccaagt gtaatgtgc ttttgggtgcc aatgattttc
180atcgcatcta cattggttga tctaagtcaa gagaagaaga ggagctggct agtcaggaac
240ttattcatta accaccaaac ctctacctct tctctccttg actgtcacct gtaggacagt
300ttatcagtc actacctttc ctccagactt tacttccagg ctctcctctt cagtagctgg
360atgactttag cagaaaggac tggtaaatac aa

392

<210> 1912<211> 401<212> DNA<213> Homo sapien

ggcacgaggt ctacagcctg acccagctgc ccgtatcgc aatgtgttgg aggcctctg
60gaggattata agaacggagg gcctatggag gcccatgagg gggctgaacg tcacagcaac
120aggcgcaggg cctgccacg ccttttattt tgctgtac gaaaagttaa aaaagacatt
180gagtgtatga atccaccctg ggggcaatag ccatattgcc aatgggtcgg ccgggtgtgt
240ggcaacatta cttcatgatg cagccatgaa ccctgcggaa gtgggtcaagc agaggatgca
300gatgtacaac tcaccatacc accgggtgac agactgtgta cgggcagtgt ggcaaaatga
360aggggcccgg gccttttacc gcagctacac caccagctg n

401

<210> 1913<211> 383<212> DNA<213> Homo sapien

cgttgtgtc gggccatttg ttttgttttg gtgtccctt tgaagccctg ccttctggcc
60ttactcctgt acagatattt ttgacctata ggtgccttta tgagaattga gggcttgaca
120tctgccccca aggagtagct aaagtaattg ctagtgtttt cagggatttt aacatcagac
180tggaatgaat gaatgaaact tttgtcctt ttttttctg gtttttttt ctaatggagc
240aaggactaag gaaaaccttt ggtgaagaca atcatttctc tctgttgatg gggatacttt
300tcacaccgtt tatttaaatg ctttctcaat aggtccagag ccagtgttct tgttcaacct
360gaaagtaatg gctctgggtt ggg

383

<210> 1914<211> 384<212> DNA<213> Homo sapien

cggttgctgtc gcctggnttt tttttgcctc ctccctttcc cagcaccatt tattttgggt
60tctgagaaac agcttcctcc cattacaggc accaattcaa ttaggcagga gatagtgtg
120aagggtttttg tttccatcag cttctgtgtg gtaaatagta gctctgtttg aaaaactttg
180agaagttgtt gtgatgtgcc tttttctggg ttccgatccc ttctcagcct ggtgatgcca
240tggcattcaa atcaatttgt ttctcttccc ctccctacc ctacatccat catacaaat
300ggggggtggt gcactaatca gagatctgct tttttccccc cacagatatt ggtaaattat
360taaaaaacca taaattttct tcta

384

<210> 1915<211> 385<212> DNA<213> Homo sapien

ggcacgaggg gacctgtctc gccagatgg ctctggaca ttgcccagc gtcctactga
60gcaggaactg agggcccgta aagcagcacg gccaggggga cgtgaacggg ctgcctggc
120aactgccag gacaaggccc gtcacaaca agggctcctg gncagnattt nttntttttt
180ttnttttttt tttttttttt tttttttttt tntttttatt aatatttttt tttatcttct
240atatctaccc ctattccccc ttttttttag gcaaaaaaag tgttaaacc cctctttttg
300gttctggata aaaaagaaaa atgcccgcac ataggggtct cctccctaata agaaaaaaa
360gcccttttgg ggggcaaaaa aggtg

385

<210> 1916<211> 383<212> DNA<213> Homo sapien

ggcacgagga cctgcgcctg tgccttttat aggttctctc cggcatatg atgcacatct
60cgacaaacga gatgaagcac ggtgcgtgcc gataaaatgg aacagatgtg gactgataag
120cggctgatcc tgtatgtgtg gggctccaac gactttctga ggcgaggtcc tatggactag
180cgtgcgccct tgcactcttg atggctcaca acgggcttgc cttctcttac tactaacat
240tatatgctat ttgctgtccc tgcctagact ttgctccact gagtggttca tttgaggcca
300accctccctt gtgcgaggag ctcatggatg ccattggctc tcaatttgag agactgcttg
360agagctcacc ggagcccctg tct

383

<210> 1917<211> 384<212> DNA<213> Homo sapien

ggcacgagaa gagccagctg atatcctcgg cgaacatgtc tctcctgagt ccagaggacc
60aacaccctca acctggtagc ttctttctgg cttgtcagag ctctcagaag gtacctatag
120gagcccaagc cccagctaca tcttccactt attctgcctg attcccccaa agacaatggc
180tggaccctgc atgcagggct gggggtggaa tggggctaac cagctcctga tggcctgagc
240caggcatctt gactggcacc tggagagccc ttaagtctgt cctggctgtg gcccatgccg
300acagatatcg tggggtgac aggtccacgg caggcttgct ttcttttata aaatggaagc
360tctggtacct tcaatgtatg actt

384

<210> 1918<211> 385<212> DNA<213> Homo sapien

cggttgctgtc gagcttagca aatctgggta ttggttttgc ctgtttttaa accccctttg
60gagtctagta aggttaacca ctctggttag ttacagcttc taacaggtga ctttacattg
120gaggaagatg ttcagaaggc gtggaagaca catcttcgag cagccccagc ttctgatgat
180tttgttcac tgggttgac acccaatctg tgtcccaggg actgggactg gccttcatta
240ccttattgac atgctttctc cggacacaca cacacacac acatttgcag ccatctcaat
300ttagtagagg aattacacat aacaaaaaca ctcccaaat gtgtgctgga gaacagctcg
360gagggatggg acggcctgtc gtttn

385

<210> 1919<211> 378<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc
60agcaatagag tgagactgtc tcaaaaaaaaa aaaaaaaaaa accccgccaa tttttaaaca
120accccgaaaa aatttttttcg gggccctttt ttttaaaaaa caaggggggtt ttttctttt
180gtatcccaaa aacccactgg gggcaagggt tggggggggg aatttttttag ggccatata
240aaattcctta ggggttttgg aaagggcaat cccggggcaa taaccctttt ttgtaaagg
300ctaaaccctt ttttttttta ggcctttt tttttgaaaa aggggttatt cttggcccc
360cgggttaaaaa ccctggga

378

<210> 1920<211> 379<212> DNA<213> Homo sapien

cgctgctgtc ggctcttaca ggaaagggca ccaggctgcg gggtcattga ggacaaagtt
60gacagttag attagcaggc actcaccatg ggcctcccc ctcctcagc atgaaaccag
120caggagaaaa tcctcaactc ttggcttctc cttggggaga caaaagagtt ggaatgtgtg
180tccagtgttt caccttttca gtgggctgag ggaactggctt ctgtcttgc tgtcttgaa
240agctgacagg ggctggtgca ttccagggtc ccaggagcca ctgagaacag aagacttggt
300gctgcttag aggacctatg gtagggcaga cagaggatga tacagctcag cagcttgcc
360ctacgtgtgg catgaaagg

379

<210> 1921<211> 381<212> DNA<213> Homo sapien

ggcacgagg ggcaatgcta aatattgcgg cagttttatg cattgctacc atttatgttc
60gttataagca agttcatgct ctgagtcctg aagagaacgt tatcatcaaa ttaaacaagg
120ctggccttgt acttgggaata ctgagttgtt taggactttc tattgtggca aacttccaga
180aaacaacctt ttttctgca catgtaagtg gagctgtgct tacctttggt atgggctcat
240tatatatgtt tgttcagacc atcctttcct accaaatgca gcccataatc catggcaaac
300aagctctctg gatcagactg ttgttggtta tctggtgtgg agtaagtgca cttagcatgc
360tgacttgctc atcagttttg c

381

<210> 1922<211> 373<212> DNA<213> Homo sapien

cggtgctgtc gggtaacccc tttctttatg cgagccaaag gattcttggc tccaagcctg
60gtcctggctg ttagtttga actcatgcac ccagatgcta actcgccctc agaatgcaga
120ggggatgaaa cactgaccgg acaattcaat ctgtatatgg agacgggggtt tcaccgtatt
180agccaagatg gtctcgatct cctgacttcg tgatccgccc gccttggcct cccaaagtgc
240tgggattaca ggcgtgagcc acctcgcccg gcccatgttc tagatttttt attctggtt
300agcaggatcc aaactgcctg tctgaagag actctcttct tcttccatac aacggctggc
360ctctaccaag tta

373

<210> 1923<211> 370<212> DNA<213> Homo sapien

ggcacgagta cagaagaaca atgcgaggcg agctcaggcg cgctgatggg ggtttccgat
60acaactcccc actcaaagaa ccccgagag ctcttgatc catctctcag tagggctctg
120aagtcctatgc tgtctgaaga cacagggtct ccccttgcgt ctgtgccagg acagagggag
180tgccaccagc caagctgcaa tcctttttaa cgtaaaaac ggccgggctt ggtggctcat
240gcctgtagtc ccagcagttt ggggtgatga ggcgggtgga tccctgtgg tcgggagttc
300aagatcagcc tgaccaacac gaataaacc cttctctact aaaaatacaa aattaggccg
360ggcacagtgg

370

<210> 1924<211> 374<212> DNA<213> Homo sapien

ggcacgagga gagagagaac tagtctcgag agcagatctc tctctccggc acgaggagag
60agagagaact agtctcgaga gcagtttttt tttttttttt tttccagca ccgtgaggcg
120ttactggagc acatttttgc ccacaaaaag gaaatagccc ttctaattccc cgcctgcaaa
180acacaaaaacg gcaacctctc ccgggaaaac ttttgagaaa ccccgccggg gcaccaaaga
240cctaggggga agatctgggt caaagggtta aaattccgta agaaagggcc tataggagct
300gtgagaactt tttttgccc cgaataacca tttttaacaa acagccctaa cccctagggg
360agagctggac gggg

374

<210> 1925<211> 370<212> DNA<213> Homo sapien

cggtgctgtc ggtttcttga agaggtagag ggatagggtta gtaagatgta ttgttaaaca
60acagggtttta gtttttgcct tataattagc cacagggttt caaatgatca catttcagaa
120taggttttta gcctgtaatt aggcctcatc ccttttgacc taaatgtctn acatgntact
180tggtagcaca tccacctgta tcaataatcc ccatctggtt ttgggggatg cgctggcacc
240atttcccaa aatttacgtg taagtatcac aaagaggggtc tctacaatct ttgatttcc
300tttcgacaag attgcaggcg attcctctcg gagaccttcc ccccggcatt ttggacctta
360tgagaggggcg

370

<210> 1926<211> 150<212> DNA<213> Homo sapien

atgttttaaa catgggtccg gagcctttta ctctcccgaa ctctggagg ccctaaccgt
60gcgcttttag gctcccgatt ctcggaatcg ctgggaccgg cctttattca ctttgggtgg

120cctataagag ccgttgcccc tggcgggtgat

150

<210> 1927<211> 354<212> DNA<213> Homo sapien

ttgcttatac tctcactgga accaatgcat ggaacagggtg gtgcagacct ccagctgata
60atgcattgaa gaacaggcat catatgctaa atgagtgaag cttagagatct attcgacacc
120ataaggacct gcatgaaaca aaatagcatc accacttgca tacgtaacat gatcaaccca
180caggectata tgttggaagt gctgtccggg gctgttactg tctcttctgg ttataaagca
240gacatgtggc catcttttcc gcagggttag agtgggctcc tttctttttg gaatcctttt
300cttctccttt ggttagcagct ccctgcctcc agggcttccg ccaccagcgt ctct

354

<210> 1928<211> 336<212> DNA<213> Homo sapien

tacgtgctt taagacgaca gaagggtga tctttcatct atttgagaaa acgcattcta
60gcagggtgga ggtaatctca ttgtggtttt aatttgcatt tccctaattg ctagtgtgctg
120tgaacgttgt ttgcataaac ctggtatgtc ttcttttgag aagcattttc acaagccatt
180ggtgaagtat gtggatcacc accaccata ctccaacctt gttcccagtc actggtacct
240atagggtgag agtgagggtg ctcatcaacg agctctccaa gtcataagct gctgctctcc
300cactcacgat gcttgggtgat tcagggacgt tttccc

336

<210> 1929<211> 448<212> DNA<213> Homo sapien

tttttgagg atcccacaca tatggagtct taaattagtt ttgggtgtca ttttgatgcc
60tagagtcata gaagagtgat taggagcttg tggggtataa aaataacttg agaattggct
120gaaagcaact aggggaagatg ggggtagtag tatgtgtaaa catttgaggc agtagagatg
180tgggacccaa atactgttcc ccttttactc aaattctgag atgagttgac atgttctgtg
240tagggctaga gagttagaaaa atggccagta ggtggttagcc acagagaagc agtgcgtaca
300aacaagtaag tatgcaaaat ttgtacatac ggtttcagga ataactagaa taccataaaa
360atatccacct gccttataaa ctagaacatc attgataact tggaagccct tgcatacctc
420tccatgatct catttgtctt cacagctt

448

<210> 1930<211> 463<212> DNA<213> Homo sapien

tgtcgtatct gcacgatccc aacgatgca aatcggcacg agcagaaacc cggttcccag
60cgtcgccggc ccggcttccg ctgcccgtga gctaaggacg ggccgctccc tctagccagc
120tccgaatect gateccacgcg ggggccaggg gcccctcgcc tcccctctga ggaccgaaga
180tgagcttctt ctccagcagc cgctcttcta aaacattcaa accaaagaag aatatccctg
240aaggatctca tcagtatgaa ctcttaaaac atgcagaagc aactctagga agtgggaatc
300tgagacaagc tgttatgttg cctgagggag aggatctcaa tgaatggatt gctgtgaaca
360ctgtggattt cttaaccag atcaacatgt tatatggaac tattacagaa ttctgcactg
420aagcaagctg tccagtcag tctgcaggtc cgagatatga aac

463

<210> 1931<211> 460<212> DNA<213> Homo sapien

tacatttagc ccagcgactt gttgnaagc ccatccaatc gattcggcac gaggaaatca
60attggagaac gggttttatt taatacagtt gcacagggtg taaaaaaact tgctttattt
120gacgaatgga attccttggc tgtttatgtt tcaatggata acacagtggc cattgaagat
180atcaaaaaaa tgtgccgtgt ccttcccttg agagctgaca catctggtga caggcctccc
240gattctttta ctgctttcta ccacagtaaa ggcacctctg cctactgctc agcctggaaa
300cccctgctgc tcatttgccc ccttcgcctg ggcataaacc aaatcaatcc tgtctatgtt
360gatgcattca aagagtgttt taagatgcca cagtctttag gggcattagg aggaaaacca
420aataacgcyt attatttcat aggatcttta ggtgacgagn

460

<210> 1932<211> 436<212> DNA<213> Homo sapien

cacacttgct tgctcgtttg gccgaatcgg cctaccggtc gtcagaatac gacagaaggg
60accacagtc accaaagggtg tgcctacagc ccacttgagt ttttcaaact gagtaatcct
120aaaactgtta tcccaccctg ctttgctttt tccatgaaaa tgacagtaag ggctgtggcc
180tgacttttac cctcattact gcttctgctt cctgacccaa accctatgca tctcttaagt
240ctggcgtggg gtgttggtggc atgccgtctt ctccaggaa atgcaagtaa tacacatttt
300tcagtgatat tggcctttct atgttgctac ttactaataa ctccatanat taaatcttgg
360gtgcatttta gaacatgctg tacctttgat tggtttgctt taggctagtg agttgagttc

420tgtgcttaca ctgaaa

436

<210> 1933<211> 440<212> DNA<213> Homo sapien

cggtgctgtc gggaatagag taattttttt tcccattcca cttggaagct gtgtacctca
60agtgtgtgca cttttacaaa tgggtgaaac ataacttatg ttagtccaag cttgatttga
120cttcagttct gcttcaacgt tttagtagat agggcactga actggatgct gaaagcgtgg
180gatctctttc tgttgcctca ctccaacag tgtggtttca ggtaatacga catgtttgtt
240acttggtttg ctgatctatg tgttggaac aatgctcacc acaggaggat tgactacata
300gcctgctttc atagcttgtg tgtatttatc cagtgcctta atagttgata ctgccagtga
360tttactcctg tggagtaaag gtaagcatgg ttaattttct tgagtattat atggtacgtt
420ggagctaggc atttaagaat

440

<210> 1934<211> 444<212> DNA<213> Homo sapien

ctcgctcttt gtgcaggatc ccacgactc tcaacatgag aaagctttta tttctatttc
60ttttcaattt ttccacattc taaaattttg gctgggcgga tcttgatttt taaaacattt
120gtcctttgtt ttctaaagag ggtcgttggc ttgcttagtt tttaaaaaaa ttgacgaatg
180atgtttttta acgaacatgt tcatcttgc t aatttttgtt tgtttttttg agacggagtc
240tcgctctgtc acccaggctg gagtgcagng gcaccatctt gtctcactgc aagctccgcc
300tccccacttg aactgattct cctgcctcag ccacctgagt agctgagatt ataggtgcct
360gcccccatgc ccagctaatt tttgtatttt tagtacagac agggattcac catgttggcc
420acgctggctc tgaactcctg agcg

444

<210> 1935<211> 426<212> DNA<213> Homo sapien

tgtgaacact cccctatgta aatatgtga caataaattg tatggagaat ggtatttaaa
60aagtgttttg agacttttca cctgtcctat aaaattttga attgtgtatg tgatctacat
120agaaagaata ttaaagagta ggttgaactc tttatagcca aatacagcct taaatatgct
180tgtatagcat ccactggcag aagtaatagt tgtgcctcag acttgggggt tgcattgtggc
240cctgggggag ttactaccct tggatgcat gagcgggtcc tattagcatc agtgggaact
300cagtactctg tatgtatcca caaaaggga cttgagaccc acagttattc ttaatttctg
360atattaacaa ccgtacatac tgctgaattt aactcanaat atttcaggta agtgaaagtg
420gtgctt

426

<210> 1936<211> 424<212> DNA<213> Homo sapien

ggcacgagga atcaaggga taaaagctta ttctgatatt atagagcata taacagccat
60gtagatatgc atggtataga gaaatcagtt ctatgatgga tgtaccacca aagttgccga
120gcattatata gagatgcttt tgatagagc cctaaaaataa attgggatag agagggagtt
180ggtgaatttg agataatttt tcaaagaaca taccatattg cgacgcaaac ggtagatata
240aatcagtgat aagctatatt ttgagcttta caattgtttt tacaattacc cctgttttga
300gtatatatct tggcaaatca ttctaataaa tatttgctga taactgcgcg gaatacatac
360atggtacgta gaaatttggg agaatcacta catattttca ggtatcattc tctgtgcaaa
420tacc

424

<210> 1937<211> 431<212> DNA<213> Homo sapien

cggtgctgtc ggacaggagg caggtgtgta tgggtgaaat tattttgaca ccctagagtt
60aacgggct tagagtcagt acattggctc aagtaacaaa tatcaaagca gaactcttag
120tgtggcaaac aataaataat tgtctcctag attcttatac aagtcactgt ccgtcccaa
180ttggtagctc ttagaatggc tgcagttgca ttcatgttca cagcaagaca caatggtttt
240gatagcaaag cagtagagaa actaaatgta gagaggcaga gagaactgta ttaagtctga
300ggacctggtg gttgtcatgg gcagcaggaa gtgtgaagga gagggttttc cctccgatga
360aaggaaggct agggcttgat tcangggagc aagtgggatg ggccctgctg gtccctggct
420gtgcctatat t

431

<210> 1938<211> 425<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaaaac cacgtttctt tgttgagctg tgtcttgaag gcaaaagaaa
60aaaaatttct acaggagtct ttcttgttcc tagttgagct gcgtgcgtga atgcttattt
120tcttttgttt atgataattt cacttaactt taaagacata tttgcacaaa acctttgttt

180aaagatctgc aatattatat atataaatat atataagata agagaaactg tatgtgcgag
240ggcaggagta tttttgtatt agaagaggcc tattaaaaaa aaaagttgtt ttctgaacta
300gaagaggaaa aaaatggcaa tttttgagtg ccaagtcaga aagtgtgtat taccttgtaa
360agaaaaaaat tacaagcag gggtttagag ttatttatat aaatgttgag attctgcact
420atttn

425

<210> 1939<211> 426<212> DNA<213> Homo sapien

cgttgctgtc ggtttaaatt tagacctttt gagttaactc ttctaatagt ttgtgctcca
60agagagccca gcacaccctt ccatgaatgg tgtcttttca aagataactg tttttgaatg
120ttcattgaaa aaattgtaga gtatgcactc atcatttttt cagttacact caaataacaa
180ctattagtag acgtgttatt ttataaaga atgaacagat gaggccagga acagtggctc
240atgctgttaa tccaacact ttgggaggct gaggtgggag gatcatctga ggtcaggagt
300ttgagaccag catgaccaac atggaaaaac tccgtctcta ctaaaaatac aaaattagtt
360gggctgtgtg gtgcatgcct gtaattccag ctactcagga ggctgaggca ggagaatcgc
420ttgaac

426

<210> 1940<211> 425<212> DNA<213> Homo sapien

ggcacgagga tggatcaaaa gttatgatta cacactgtaa tctaaatgaa ttttaaggaat
60ggcagtactt ctagaacctg cacagattta ctcatattcc ttcaggaaag tgtttaaatc
120gctcagaggt cctgcacaa gcattcatct ccaattgtga ctccagtaca acgactcata
180aatgggaaat gaataacatc catagtgttt agagagaaaa aaatagacca ataacctacc
240tactgacaag taaatttata caggactgaa aaccgcctga aacctgctgc aactattgtt
300attaactctg tatagctcca aacctggaac ctctgatca gtttgaagga cattgataaa
360ctgtgatittt acaataacat tatcatctgc agttactgtt tacaagactg cttttacctt
420acacn

425

<210> 1941<211> 435<212> DNA<213> Homo sapien

cgttgctgtc gagagcttca aacaagaagg gaaatggaag aaagaacaat aactatagaa
60atccctgaag ttctgaagaa gcagctggag gatgattgtt actacattaa caggaggaaa
120cggaagtgc cacaagcact aacaggagcc aggaggaact ctctccagt ccgcctttgt
180tgaatccatc cacgccacag tccacagaga gtcagccgac caccggtgaa ccagccacce
240ccaaaaggcg caaagctgag ccagaagcat tgcagtctct gaggcggtcc acgcgccaca
300gtgccaaactg tgacaggctt tctgagagca gcgcttcacc tcagcccaag cgccggcagc
360aggacacatc cgccagcatg cccaagctct tccttgacct ggaaaagaaa acacctgtgc
420ataacagatc atctt

435

<210> 1942<211> 444<212> DNA<213> Homo sapien

ccggaacccc cctccccaag actatgaaag tgatgacgac tcttatgaag tgttgattt
60aactgagtat gcaagaagac accagtgggt gaatcgagtg tttggccaca gttcgggacc
120tatggtagaa aaatactcag tagctacceca gattgtaatg ggtggcggtta ctggctgggtg
180tgcaggattt ctgttccaga aagttggaaa acttgacgca actgcagtag gtggtggctt
240tcttcttctt cagattgcta gtcatagttg ctatgtgcag attgactgga agagagttga
300aaaagatggg aattaagcca aaagacagat taagaaacga gcgaaccaag ccgcaccttg
360aattcaccat ttaattggag aagccacaga atttattcag ccgaacattg tgatatccag
420tggatttgtg ggagggtttt tgcn

444

<210> 1943<211> 426<212> DNA<213> Homo sapien

ataacgctac ttgttctttt tgcaggtnnt tgcgattcaa ttccggacca ggccatcttt
60aagtcctacc cgacagtggg ggacgtggcg ctctacatgg ctttcttccc cgtgtggaac
120catctctaca gattcctgag aaacatcttt gtctcacct gcacatcat cgtctgttc
180ctgtctcttc ctgtcctgtg gcacctctgg atttatgcag gaagtgccaa ctctaatttc
240ttttatgcc aacactgac cttcaacgtt gggcagatcc tgctcatctc tgattacttc
300tatgccttcc tgcggcggga gtactacctc acacatggcc tctacttgac cgccaaggat
360ggcacagagg ccatgctcgt gctcaagtag gcctggctgg cacagggtg catggacctc
420atgggc

426

<210> 1944<211> 413<212> DNA<213> Homo sapien

ggcagcagcc cacacaacga gccattgac tccaaagggc agcacagcag atggactgct
60attatcccag tggtagacat ggggaaactg agggccggga aggcagactt gcttgccata
120tgtcacataa ggagaaagtg gctgtgctag gattggaacc caggctgtca ggttctgagc
180ccttcccttt ctgtctgtgg gcctactgtg tgctccaaa aagctgtggc caaattaagg
240aggtggcatg tctgattcat ctgtggcggg gcctgggata tatagtaact ctcaacaatg
300gtgttcatta gtccgggcat ggaggctcac gcctgtaatt ccagcacttt gggaggccga
360ggcgagtggg tcacctgagg tcaggagttc gagaccagcc tggccaacat gga
413

<210> 1945<211> 405<212> DNA<213> Homo sapien

ggctggtgag acacgatccc ctctaagaa aatgttgggtg ctacagacagg taaccactgc
60tgctactgtt tttatttgtt tgtttgttca atttatttta agatttgttt ttgttgact
120aggattttta aaaatgtaat atattgcagg atttataacc aggttactg actgcttgct
180tgctttcttt tttttttttt ttttctcct taaaaaacca aaacaaagt tttttaaaaa
240tacttttagg ccccttgga gctggatttt tgaaatgtt cagaagggga caaaaatcgg
300tgggggaaat ttttagttt cccagggtta attaaaaagg tttttaattt ggttgggat
360tttggggggg gattttttt ctttatcca aaggccttt ggccg
405

<210> 1946<211> 405<212> DNA<213> Homo sapien

ttaagaagga ctgatatgt aagcgctggt catttttctt ctggggttta ctgatcaggg
60tggagatttt aacttcattt agtaattact ctaggagatt ttaccttgac ttatatattt
120catgacgttt catgatttgc tgctggtttc aaatgaaact acaaatctgg catgttttac
180tgtgaacact tttgtattt gttttgtacc ctttttgtc ttgttttct gtttagctg
240ccttctgaaa aaagagtgtt tccctctgtt tctgtcctca gatgatgtcc ctccccctac
300ctgtaacctt tcttgacat aattgttcat atcaatgaag gtgctgacca gctcaatata
360cagttaagca caagatctaa agctcttgaa atgcccagaga aagaa
405

<210> 1947<211> 404<212> DNA<213> Homo sapien

tttttctgat ggaatctgc tctggctaatt tttcgtattt ttagtagaga caaggtttca
60tcatgttggc caggggtggc tcaaaactct gacctctggt gatccacctg cctcggcttc
120ccaaagtgtt gaggcaggcg gatcacctga cgtcaggagt tcgagaccac cctggccagc
180atgatggatc caagccggga ggctgaggca ggataattcc ttgaaccacg gagttagagg
240ttgcagttag ctgggcaaca cagcaagact tcatctctta taaaaaaaaa agacccccac
300cccccaaaa aatgggagcc cctgttctcc actttttgaa aagcttaaaa tgtgttttta
360tcttgggcca gtcttttaga caccctggc caaaaatggt taac
404

<210> 1948<211> 417<212> DNA<213> Homo sapien

gtcggcacga ggctggccgg tctgtgtggc tcattgctgt aatcccaaca cttaaggagg
60ctgaggtggg cagagcacct gaggttggga gttcagagacc agcctgacca acatggagaa
120atgccatctc tactaaaaat acaaaaatta gccgggcatg gtggcagtg cctgtaattc
180cagctactca tgaggctgag gcaggagaat cgcttgatcc tgggaggtgg aagttgcagt
240gagctgagat cagccattg cactccagcc tgggcaacaa gcgaaactct gtctcaaaa
300aaaaaaaaa aaggggcccgc cgaatgagga aattaaagg gttttttcca aaggaccct
360gcaaaaaaaa aaacttttag ggggacccct aatccgggaa aacattggaa agccaaa
417

<210> 1949<211> 416<212> DNA<213> Homo sapien

ggcacgagaa gcactccgct tgctaataaa accagagttt ctggatagtc caaaacattg
60gttcttagag tataattcct aaaccagcag catctgcac acctagaaac ttgtcagaaa
120tgcaagttat cagactccac accagaccta catgaatcag aaactctagg tgtggggccc
180aaaaatgtag cttaacatgc ctttcagggt attctgatgc aaagtaact tacagaacct
240ctgcactaga gaaaacactt ctttttgaga tagtcaagggt tgtatactgt ttctaccaag
300cacaatatata ggagcatttg agattcttcc tgtgcaataa taagaaatca acaggaaatg
360tttccagtgc tgtgtgtgtg tgtgtgtgtg tttataaaaa tatcttgata tatatg
416

<210> 1950<211> 412<212> DNA<213> Homo sapien

tgaacaccg tctctaccag aaaatacaaa ttattagtca ggcgcggtgg cgggtgcctg

60tagtcccagc tactcgggag gctgaggcag gagaatgacg tgaacccagg aggcggagct
120tgacgtgagc cgagatcgcg ccactgcact ccagcctggg cgacagagcg agactccgtc
180tcaaaaaaaaa aaaaagggtt tcaaagtcc tttttgttaa agaaccacg taaaaggctg
240agtctattct gcatactatg cccacagaaa aggaagaaaa ctttttaaaa gggagaatcg
300catgttttca atgaaaacat tcacttggtt tttcatttgt aaaaaaaaaa agggggcttt
360tataaagaac tttggggaaa cactttgctg aaatgttggg actctggaac ta

412

<210> 1951<211> 422<212> DNA<213> Homo sapien

ggcacgaggt gactcacgcc tataattcca gcactttggg aggcgaggc aggtggatca
60cgaggtcaag agatcgagac catcctggcc agacatggtg aaaccctgtc tctactaaa
120atgcaaaaaa ttagctgggc gtggtggcgg gcgctttag tccagctac tcaggaggct
180gagcgaggag aatcacttga acccgggagg cggaggttgc agtgagccga gattgtgcca
240ccgactcca gcctggcaac agagcgagac tctgtctcaa aaaaaaaaaa gggaaatctg
300gttttttttt aacccaaaaa tttcttaggt tggggcccaa cttctttgtt ggcggggccc
360tttgacttt gaaggggccc caccccaagg ggttttgtt gttccaggg cttttgaac

420tn

422

<210> 1952<211> 413<212> DNA<213> Homo sapien

cctatatcaa aacttatcaa atggtgttct ttaaataatgt gcattttatc atatttcaga
60tatacctcaa caaagctgtt agaaacaagg agttggaatt agaaaaatta cccaagtagt
120attcaataac ctaattatct gcttgaaagc actgaaggcc aactatggaa ctacgtggct
180ccaccagaga gaagtctggc taggtgtctc ggtggcgtgt cctgaccatt cagtggctga
240gccctgtgaa aacaggcatt ctgtaggtct tcggatgagg aacttgcaga agcagccggg
300tgctgccatc ctaagctggt ttcccatatg ggcttctctg tgagtgttaa gaaaagctgt
360ggtttgcctg tcagagttag cgccccact cagggttaacc acagtttctc cat

413

<210> 1953<211> 409<212> DNA<213> Homo sapien

cgggtgctgtc gaaaaaattt ctggattctt aaaccaggaa gtatgtctgc atgcaaacat
60tgcttctgag ccatttcttg gtatccttat tgacaggtct atcctgcttt tcttactat
120gttaactgaa ctactatctt ctgtctactt ttaggctctg actttgacct ttctgtgtg
180tgaatttaac ttctccctct tagcagtaaa gcaatgcata gattactttt aatgaccac
240cctttccctt catttgcat agccctatga tattctatat cttcttactt tcttaggta
300gtagaagtct tggcttgtt tgccagacag agcaaaagtg gcctgggac caccataatc
360tcgtaaaata ttctcttaca cagaacgcaa aattgcttag tactctctn

409

<210> 1954<211> 412<212> DNA<213> Homo sapien

cggtgctgtc gggcttgggc tgcaccactc acagagctcc cteccccagg cacttagttg
60ggggccagca ctgaccttc cctgagccc aggatgtggc cagagcccc tctgggaccc
120ctctcgccc ttctctgct cctcagcttg agctgctgc ccgaagtctg gctgttccgg
180ggcagtggtg tcacctgcca acttccacat caccctctc cctcgctccc tctctctt
240ccccaaggac ctecccccat ttctggcagc caagccatta atctggagac agaaatgggt
300ttgctatcga ttctctggcc actttttctt tcattacaat ttgtaccggg attcttctca
360cccttctctg cgtccgtgca tttaaagagt tgtctctta aatgttgaag ct

412

<210> 1955<211> 408<212> DNA<213> Homo sapien

ggcacgagga gctctcctt tcttctact ccttcccctt cctccctcca tgccactcc
60ccctgcctcc agcaggccag gaagaaggca cagtccaggc aagtctggga gcttccaagc
120ccttgaggtc cagctgtggg gcccaaatga cagccttaca aggttctac cagagaggaa
180aattccacat cccaccagaa gacaggggtg ttggcaggca tactcctatc tctctctt
240ggctctcaat gctgaggctt gcagaggcat cccagcggca ccagcctccc actgcacagc
300ttccttccc ccttactct ccttcccct cctgcccct tgccctacct cctctctag
360actgcattag attcattcat ctcatcttcc aggacatgtt ggccagag

408

<210> 1956<211> 408<212> DNA<213> Homo sapien

cggtgctgtc gcttttttcc cctattatat ttttggttct attaggattt acttaactga
60atcttataac aattcgaggt gaactgtggc aatgaaaacc agaaacagtt aatgagatgc

120ttcagctcac agtttgaagt gctgagaacc taagtatttt gctgtacggg actgagctgt
180accaaaatat gatgggttag gtttatgtgc aagactttgt gttgtagtct agacaaaggg
240gtgggcaaga gacatgcaaa gctgaagccc tgcttgaaaa gacccttcaa ggaagtaaaa
300tggcaggggc agagtgcagc ttaacatgtt gctatccctg ttgtttttga gttgggtttg
360gaatggattc aagttcttac acaattttatt ttgaatacaa gcataatc

408

<210> 1957<211> 422<212> DNA<213> Homo sapien

ggcagcagga agctgctgtt cggaagtttg ccatggactg gaaagaagtt cttgtcggcg
60cctagcgacg cccaacacct gtccaaacaa aaaaaaaagt gaacaagaat taaaagatga
120aaaaagggat ttatttacia aatattactc caaatggaaa ggaggtaaaa aaacacaaa
180tgaattttat aaaaccattc cccggtttta ttataggctg cctgctgaaa atgaagtctt
240actacagaaa ttaagagagg aatcacgagc tgctttttta caaaaaaaa gcagagaact
300gttagataat gaaaaattac agaacttatg gtttttgctg gacaaacacc aaacaccacc
360tatgattgga gaggaagcga tgatcaatta cgaaaacttt ttgaagggtg gggaaaaggc
420tg

422

<210> 1958<211> 408<212> DNA<213> Homo sapien

ggcagcaggt caatgtttta tacattattg acagaactta cgatgatttt aggtggctca
60gggatgtagt aaagtacttg tgttctgtct gttaggctaa gctgaagtga caaatggccc
120tcaaatgtct ggtttcaaca aaagttcatt tgcttttggt gaatgtcttg cacatgtctg
180tcagccagca ggcacctggg acctgtctcc gggttagctt caccctggga ctctgggtgc
240catgtctgac acgtggtggt ccaactggcag agggacacac gatcggggca agttctgctg
300gcccttaaaag cttctaccca gaagtgaacca ttaaccactt ctgcctacat tcaactgggca
360aatcagggtcc catggcaacg tgagagggga tgtactctcc cttgaggg

408

<210> 1959<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtcaaaatc acttatctgt agagcataaa cgatgacctt gatcatgaga
60gaaatggaaa tgagaaaaag ttgaaaaaat gggatgtttg acctaaagaa gaggagcttc
120ttttaagaag taacagccac ttttaaggat ttggagtctt gtcatgcaga aggatcagat
180ttgacttgac cagaaggaac tagggctcagt ggggtggaagt ttaaaagaag cagatttcaa
240ttctctttca agataaattt cttcaaaatt gtgaaaatag aatgagttgt tttgggtggt
300aggctgttcc tgttcactga caagttgggg attctagagt agaggaatcg tactgaagga
360gaatttgagc taggtgtctt caagttacct ataaactttg aggt

404

<210> 1960<211> 405<212> DNA<213> Homo sapien

cgttgctgtc ggaacattta tattgttatt ctttgggct attggtgtgt ctcacaggca
60aaagtgtatt tggctaaaat aggtcagat gtatttgcgt gcccgcgtgt gtgtgtgtgt
120gtgtgtgtgt gtgtgtgtgt atgaaagaga gagagacttt gacgggtgta gatatttttt
180gcgctttgcc tactatatga gtgataatca tgtgtttact aacaagtcga tgacctggct
240gtattcataa taccatttaa tattggcgtg agtgttctcg cttgacaaaa agaggcctcc
300cctgcttctt tcaacaactg tcacagagtg ggtgggctga aagctctgcc cacggcctg
360ctattggcga gagaggtctt ttgtgggagc ggtgtctcgt gcgtc

405

<210> 1961<211> 416<212> DNA<213> Homo sapien

cgttgctgtc ggttaaaata gcccctgat gagccaggca ctctgaggga acacagatta
60cttgagtctg aacacgccag acttctccac aggtttattt tggagtggaa agtatgcaga
120acacaaatta naaaattcaa tcttttgaga gattaaaata ggggaaggcta ccaactgaatt
180tctggaattg cttttcaggt ccaaacgtta tcttaacctt aggcaagctc tctggccagc
240cacaccatc cctggtaaat gttgtaggac agagaccccc cccagagccc tgttgccct
300tctgtcatg tttctacct tccatgcccc agtaaaactgt tgaaaccaga gaatgggtca
360gggaagcccc atccactcc cctgaaaata tctgggagac tcttgggtga gggacc

416

<210> 1962<211> 409<212> DNA<213> Homo sapien

ggcagcagca ncnnnnaag taagaggagc aaacaaaatg tatcaatttc agccgaggtt
60ttctagggca aacactagaa tattgtacct tttgtacct gataccttat caatcaatat
120atattactga gcacttcgat gcaaggattc catcacctcc ccaacatgtg atatagaata

180gaagcaggta aatgtttact aaatgaaggt acacagcggg cttttggaga ggaaatagac
240tctggcctcc agccatggaa taatttatac tgtctcttgc taacatacct ggagccggtt
300cctcattttg tgatccaaag agtaaaccatg taaaaccagc caatcttagg ttatattctt
360gccatcctag agagtaagtg ctccaggaca tcagagtaag aagtctgga

409

<210> 1963<211> 408<212> DNA<213> Homo sapien

cgttgctgtc ggcgtgtgtg tgtgtgtgcg cgcgcgtgcg tgtgtatgtg tgtgtgggtg
60gggagagaat gcacaaacac tcgaggtggt ttgtatatatt gactggtgaa tttcatagtt
120gtttttcttg ggttacttan aatttgagag tccgtgagaa gcattaggaa gaacattact
180gagaaaaaag gaggggtggg aagcccttag acttctcccc gagggtatcc ccgctgcagt
240cttctttaga tgtttggatt cccagtcct cttgttttga ggcgtgatat aaattcagcc
300ttcatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gaggagacgg
360cagttagcag acgagaatgc ctgctcttct ggagccacag aaaatata

408

<210> 1964<211> 404<212> DNA<213> Homo sapien

tggcgacaag attgaagcta ggtctcaggg gtctccagtc ctcttctc acgggccccc
60cctgcagtat tgagcaccag ctgggtccctc tagggagaga ttgacaacag cccggacctt
120gccccctgcc tattccatct gaatgtcgca tegtctgttt ctacttaggg gccgcctctg
180tcactctact agacatttga ggaacctcct gcctggggcc tctgttctc acaggacagg
240gacactgaac tgcgtcagcc tcagctcacc cctccttagc ccaaggtctt cctcatgctt
300gccacctact agtcatactg gcctttttaga tcctgaagt gttgttcaaa tccccggatc
360attgagtccc accccagacc ctctgctgcg gatcactct taan

404

<210> 1965<211> 411<212> DNA<213> Homo sapien

ggcacgagcc ccgttggcgg atgatttttc taattctgca actgcctgga gcgcgggcat
60gatgacagag gaacggtcct tgatgatgca tccctggaag acctgggagc caggctctggc
120tccttggaact gtatcttccg tgcctcagtg ggagtacaga ctgagaggga gaagggggcg
180gggtagagat gcaccccatg tcggtatggg aatcactcta cctctcattt ccttcaatct
240ttcactccta aaatgtctag taaacctttt agtctgttct attctgcatt cattcccttg
300actttcagcc cttgtaattc acattgtttg gctgggatca ctgccttcac aaaaggaaaa
360gacttctccc tgtgaagaga tccttagtat actacttgaa gaaccgcgaa g

411

<210> 1966<211> 416<212> DNA<213> Homo sapien

ggcacgagtg acaaagactt cagttagatc ttcataaacc tccagtttcc cagtgcgtac
60agtgggtaga tgaagctaaa ctaaaccaaa tgaggcggga aggcattcgt tatgctagaa
120ttcagctttg cgacaatgat atctacttca tccttagaaa tgtcattcat cagttcaaaa
180cagtttcggc ggtgtgcagc ttagcctggc atataaggct taaacagtac caccctgttg
240tggaagccac tcaaaacaca gaaagcaatt ctaacatgga ctgtgggtta actggaaagc
300gagaattaga agttgactcc caatgtgtga ggataaaaac tgaatctgaa gaagcatgca
360cagagattca gctgttaaca actgcttcat catctttccc acctgcatca gaactn

416

<210> 1967<211> 405<212> DNA<213> Homo sapien

cgcaagagac tattggcaat ggattcttct ctgtgtacag agccagcacc cacaagtgtt
60tgtactatga tgagaagaag agggccagtt tccacaactt taagtcgcg tccagcaggg
120aagaaatgaa atttcatgag ttcgttgaga aactgcggga tatacagcct cgacgagggc
180aagagaggtt gtatctgcag cagacgctca atgacactgc ggtcaggaag attgacatgg
240acttcttagg ttttaactgg aactggatta ataagcaaca gggaaagcgt ggttgggggc
300agcttacctc tatcctgctg ctcatgaca tggcaggaaa tgtgacacct gctcactatg
360atgagcagcg gaactttttt gctcagatac taggtgacag acgag

405

<210> 1968<211> 412<212> DNA<213> Homo sapien

ggcacgagag gaagtattag ctaatcagaa ccacggtgcc aggctgactc accaagggtt
60aagattgctt tacttagtag cctcaagccc aaggaactga ttgtgaaac cacctgaata
120aacaggaggg aggaagaggt aatactgttc atctatacat catataagcc tctgttaggc
180gctgcgcaat ctatcaaccc cagccctgcc ttcccatagg aaattccttt attttcaatt
240gccacataca tagatattcc acggttaat atacaagcaa atgtgtatat tttttcaagg

300aacagaaaaa aacagtccat cttggctggt ccctatggac cccagcccc actccttctt
360caacaaagtc cctgattttc tcaaaagttc gaaccaaaag ctggaagcgc tn

412

<210> 1969<211> 407<212> DNA<213> Homo sapien

cgttgctgtc ggtatttcac taccattttc tgacttttag cttttatttt cacctcaatg
60tgatttaagc agacaaaaat ttctaattct gctaattctg aaggggaaat agacaaatct
120taaaagctgc ctgaaatcaa acttgattta actcagtaag aatgtgaatt atttgttcta
180cttgggtggt ttaatttaac cgttctgaat atgaacaaaa ggttttggat ttctaaaga
240tcagtggtt tttctgttca tcagggttaa tatttctaac tatattgctt gtaggtgacc
300ccattctgga tttgtttggg ttggtttggg tccagttaa agagaggaca ggaactaaat
360gggctaacc acttcagggtg cagcttgtgc gaggttagat ggttctc

407

<210> 1970<211> 407<212> DNA<213> Homo sapien

ctcggcacga ggcgaggcca tgtggacccc cacaccttg gggccggtg ggcaaacctt
60gaacccccaa tttctgctg gcctttggct gccctcctc tccaaggcgt gactcttact
120ccagagactc aggcgagcac gtgtccctta ccttattttc tctcaatcaa actgaaaccc
180attgtgatcc cccatagtc agtgcggtct ctgttattat tacgggtgct tcccttcctc
240cccgtgcccc ggacaggcca tgagccagag atacaagggg cccacgcaa gatgcagggc
300tctctgctcc tggctcttta tegtctcgg gacaccttt gtccaaactc aaggaatccc
360gggaggtctg gctttgcgc tttggctggg actcaggtac ctgggcg

407

<210> 1971<211> 417<212> DNA<213> Homo sapien

gggatttgtt ttcggcacga ggggtgatgc taggatggc ctttatatgt gtccctggcct
60ctgcaggctt agggggcagt ttgaaaatg agggaggaa gtgcttctgt ctgcacttg
120ctgggtgctg gacactgggc cgagcaccag tccctcctc tctgctaga tgctgagtc
180ccattttaca gatgagcaaa ccaaggctca gagatgcggg gtcaactcatc caagaccaca
240gatcagaggg agccctggcc tgaagtgtt gctgggctgg ccaaggccct ctctggaccg
300ctgtacttca ccaactgctc cccaagccca gcctgtgcc ccttggtcag accccggtt
360gccctctgtt ttggaacca tgggaagaca gacctcatgt gaagggggct tccaag

417

<210> 1972<211> 417<212> DNA<213> Homo sapien

nccggcacga gcggaaccc tgetcagtc tgccgggac tgcattcagg gaccgtccgc
60tgaccaga gacctgggc tgctcacc tctctccaga cccacagcca gctttgtttc
120ttgaatgtg aagatgttct ttattccctg aagaaagg gctgccaca cacagcctgg
180gaggcgctc atccagaaac tgggacttgg ctagcccgcc ctgggcccta gggacttctc
240actggtcatg cttctgaagc tgetcacctg gccgaggag gtcccggcag tgtcccagg
300tggaaggtg gggnggnnn nnnntgnnt nnnntttnnn ntgtntttt gtggtgtt
360nngnttgtt ttnttgnnt ttgttagcg aggggtggt ttgcttgtt ttgggtg

417

<210> 1973<211> 409<212> DNA<213> Homo sapien

cgttgctgtc ggttcccttg gtggaatttt ttgttctctg ctgctactgt aaaaacgaaa
60tgagtgggcc tgetcaggt ccaatgatgt ccccaaatgg ttctgtgct cctatctatg
120tgctcctg atatgcccc caggttattg aagacaatgg tttcgaaga gttgtcgtg
180tccctcaggc accagagttt caccctggta gtcacacagt tctccaccgt tctccacata
240tccctctacc tggtttcatt cctgtcccaa ctatgatgcc gcctccacca cgtcatatgt
300actcaccctg gactggagct ggagacatga caacacagta tatgccacag tatcagtctt
360cacaagtcta tggagatgta gatgctcact ctacacatgg aagggccag

409

<210> 1974<211> 412<212> DNA<213> Homo sapien

tgacaagcca ctgngattt cagcagagat cccatcgatt cgcagtaaca ctggactgga
60tcggtacact cggcttcaag tgtggctgcc gggaaactgc ttccacaaa tacatctctg
120acggtcaggg caccagcatc agccctctga aggagctggc gtgtgctgac gtagtcttgc
180ccctgccagt gctccctaac tggattggag gaggctatgg aacaaagtac tggagcagga
240ggagctcccc ggagtggcgg tgtgtcaatg acaaaacccg gacctataga atccagctgc
300agagccaaga tggcagaca cgcacctacg aatcacagt agtactgcc tgcaagtgca
360agaggtacac ccggcagcac aacgagcca gtcacaactt tgagagcatg tn

412

<210> 1975<211> 408<212> DNA<213> Homo sapien

ggcacgagag agagagagag agtgtgagtt tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagcg
120ctctcacaca cgcgcgggggt ttttgtgttc tgcgcctccc tctctttttt gtgggggggc
180gctctctctg cgtccctagt cactctcacc cctctctgtc tttttttgtg ggcagacgct
240cccacacaca ctgtctctct ctctctctgt gtgcatatat atttctctgt accgagcggg
300tgtctctttt ttttctctc cctaaaactc tctctttccc gctctgtgtt tctctctctc
360acacacacac acacagaggg gggtgtatct ctctctctct ctctctct

408

<210> 1976<211> 423<212> DNA<213> Homo sapien

ggcacgaggg ggctatggcg gaaacaaaag gagatgaggg caggggcact ttaggaagg
60actgaggctg ctggcagtgt cacatgactg ttgagaagaa gggaatttgt tagcaagtgg
120ttacatttag taggaaaagt gttgagggca tgggtttgga ttaaaggagg gagttagcaa
180ttgaggagga agtgaaaatt gggcaaaaaca ttccttttgg aagtttgat ggtaaaagga
240agtgtagggt agaacaaagg taagtctgag aggtaagaga gaaggaaacac actttgggct
300tggcctgaaa tgagagggaa tgaggaaaac tgggtagagg gcaaggatgc tccagcctgg
360tggctctgct ctccaagagg aaggaataga gctttagaag tgtggatggc cagagttcac
420ggg

423

<210> 1977<211> 413<212> DNA<213> Homo sapien

ggcacgaggt tattagggat aagctgttaa ttttttacag gtgtggagga tatttcaaat
60acatcgtttg cctttgcaact aacatgcttt catttcttcc agtctcttcc tccattccct
120ttaaaagtctt ccccatcata tcaactgatct caaaagctag atttgtcttc attttagccg
180tatccctaaa accatgcatt ggtctggaca ggagttgacc catattccct tgcagactgg
240tcaactcatg ttctctgtta cagtaaggac cagccaagct tcagctgtcc cattcctccc
300cctacaacac acacaccttt caagcagggg gagagatgac ttccagcccc aagagtggag
360gctgccacat cctaacatat tatctattga acaggaagca gtgcgtatcc atg

413

<210> 1978<211> 404<212> DNA<213> Homo sapien

ggcacgagga gactgaggca ggagaattgc ttgaaccag gaggtggagg ttgcagtgag
60ccgagaccgc gccactgcac tccagcctgg gcaacaagaa cgaaactctg tctcccaaag
120aaaaaaaaa agaacttaag gttaaccag gccagggatg gaattgacct cttacaagtc
180atgtgatctt ggacagacac cctctagggg acttcataat ctcatctggg aaaggggaat
240aaatgctccg acttgggact gccactggga ggaggacagg tcatggtgtg tgaaggagca
300ggggccacct tcgttcacgg cgcgctcagg gaatgtgaaa tgtgggtgtg aaaaaatgtc
360ccttgactcc gcccttctg cccttaaaac acacgcacat gcac

404

<210> 1979<211> 405<212> DNA<213> Homo sapien

ggcacgaggc agcaccagct cttgggcctg ctgtctgtct ataccggcc tagctgtgga
60cctgaggcct tgggccatct gctgagccga gccgaagcc ctgaagagtt gattttggcc
120accagttat atgcagggt agtggtcagc ctctctggcc tctgcccct ggctttccga
180agctgtctgg ctcggtgca tgcagggaca ttacagcctc ccttcacggc ccggttctg
240cgcaacttgg cactgctagt acggtgggaa cagcaggggt gcgagggccc tgcagcccta
300tggggcgact ttggggaatc tgcctcagcc catctgtctg acctggctcc tctactgcta
360catcctgagg aggaagtaac tgaagctgct gcctctctcc tggcc

405

<210> 1980<211> 407<212> DNA<213> Homo sapien

ggnacgaaaa aataccaggc ccagggccta gcaatgtatc ttcaggaaaa cggcattgac
60tgcccaaat gcaagttctc gtacgcctg gcccgaggag gctgcatgca ctttactgt
120accagtgcc gccaccagtt ctgcagcggc tgctacaatg ctttttacgc caagaataaa
180tgtccagagc ctaactgcag ggtgaaaaag tccctgcacg gccaccacc tgcagactgc
240ctcttctacc tgcgggactg gactgtcttc cggcttcaga agctgtaca ggacaataac
300gtcatgttta atacagagcc tccagctggg gcccgggcag tccctggagg cggctgccga
360gtgatagagc agaaagaggt tcccaatggg ctcaaggacg aagcttg

407

<210> 1981<211> 419<212> DNA<213> Homo sapien

ggcagcagga ttcctgggtt cagagcgttc aaaagatgat cttcagctaa gacttacgag
60agcagaaaat agaataaaac aacttgaaac tgactcctca gaagaaatat cacgttacca
120agaaatgatt cagaaacitc aaaatgtatt ggagtctgag agagagaact gtgggcttgt
180cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag agactgagag
240tttaagggaag attgccctgg aggctcaaaa aaaagccaaa gttaagatca gtacaatgga
300acatgaattt tcaataaagg aacgtggatt tgaagttaa ttgagagaga tggagacag
360taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga aggcagccc
419

<210> 1982<211> 415<212> DNA<213> Homo sapien

cgttgctgtc gtctgagtct ggcgcggatg ctatgggcag ccaggagggtg ctgggccacg
60cgcccccggct ggcctcctcc ggtctcctcc tgcaggaggtt gtttcgggtg atcacctttg
120tcttgaaatgc atttattctt cgcttcctgt caaaggaaat cgttggcgta gtaaatgtaa
180gactaacgct gctttactca accaccctct tcttggccag agaggccttc cgagagcat
240gtctcagtgg gggcacccag cgagactgga gccagaccct caacctgctg tggctaacag
300tccccctggg tgtgttttgg tcttatttcc tgggctggat ctggttgacg ctgcttgaag
360agcctgatcc taatgttgc cctcactatg caactggagt ggtgctgttt ggtct
415

<210> 1983<211> 407<212> DNA<213> Homo sapien

ggcagcagggc gtcttctcgc cgctgctctt cgtggcccaa cgccccaatc cttgcgtgtg
60cttgagctcc caccacacac tcagccttgt gtccctcgat ccagtctccg acttccattt
120cccaccctaa accgcctacc cgggtgtctg tccccgcccg gttgtctctg cctgctgctg
180ctgagtgctc cctgttagcc tcgaccccat ggcgctgcag acgctgcaga gctcgtgggt
240gaccttccgc aagatcctgt ctcacttccc cgaggagctg agtctggctt tctgtctacg
300ctccgggggtg taccgccagg cagggccgag ttcagaccag aagaatgcta tgctggactt
360tgtgttcaca gtagatgacc ctgtcgcctg gcattcaaag aacctga
407

<210> 1984<211> 411<212> DNA<213> Homo sapien

ggcagcagccc gactgtggag aagtgtccgg ttagccccc ttacaggaat gtgtttctga
60tcatctgaat cttaatcatg tccaactgcc tgcaaaattt cctgaaaatt acaagcactc
120gtcttctatg ttcaagatta tgccaacagt taagaagtaa aaggaagttt ttcggaactg
180tgccaatata cagattgcat aggcgagttg tcattacagg cattggctta atgactctc
240ttgggtgttg aactcacctg gtttgggacg gtcttatcgg aggagagagt ggaattgttt
300cactgggttg tgaagagtat aagagtatcc ctgagctgtg tgctgcttat gtgccaagag
360gtagtgtga aggtcagttc aatgaacaaa actttgtgtc caaatcagat n
411

<210> 1985<211> 414<212> DNA<213> Homo sapien

gtactctct ctttttgcgg atcnnnncat gagattcggc acgaggggggt tcagaggggt
60ttcattcaat caatcctccg aatccagaga tttagacca gtctccgta ttaggactgg
120aggggggtca ataggttcag tgtttgagat gccaaaggaa cctgtctttt gatttgggggt
180tcaacataca gaggtagcag tcaccattat gctcaaagcg gtgacctga ttggaggccc
240tcaaaaggga actcgcttca gacctttgtc ttttgaggcg cccaaacctat tgttttctgt
300ggcaggggtc cctatgatcc aacaccatat tgaagcctgt gccaggtcc ctggaatgca
360ggagattctg ctcattggct tctaccaacc tgatgagccc ctcaccaggt ttct
414

<210> 1986<211> 413<212> DNA<213> Homo sapien

ggcagcagag taaaagaagt ccttcaaagc ttagttgatg atgggtatgt tgactgtgag
60aggatcggaa cttctaatta ttattgggtt tttccaagta aagctcttca tgcaaggaaa
120cataagttgg aggttctgga atctcagttg tctgagggaa gtcaaaagca tgcaagccta
180cagaaaagca ttgagaaagc taaaattggc cgatgtgaaa cggaagagcg aaccaggcta
240gcaaaagagc tttcttact tcgagacca agggaacagc taaaggcaga agtagaaaaa
300tacaaagact gtgatccgca agttgtggaa gaaatacggc aagcaataa agtagccaaa
360gaagctgcta acagatggac tgataacata ttcgcaataa aatcttgggc can
413

<210> 1987<211> 409<212> DNA<213> Homo sapien

cgttgctgtc ggcgaggttg ggtaggcgtg caaggcgggc gccgaggttt gcaaaggctc

60gcagcggcca aaaacccggc tccgagcggc ggcggcccg cttccgctgc ccgtgagcta
120aggacgggtcc gctccctcta gccagctccg aatcctgac caggcggggg ccaggggccc
180ctcgcctccc ctctgaggac cgaagatgag cttcctcttc agcagccgct cttctaaac
240attcaaacca aagaagaata tccctgaagg atctcatcag tatgaactct tataacatgc
300agaagcaact ctaggaagtg ggaatctgag acaagctgtt atgttgctg agggagagga
360tctcaatgaa tggattgctg agaacactgt ggatttcttt aaccagata

409

<210> 1988<211> 418<212> DNA<213> Homo sapien

ggcacgaggg catataagat ctattatgtc tatggcttca tgatgctggg gctggttatc
60ctgtgcattg tgactgtctg tgtgactatt gtgtgcacat attttctact aaatgcagaa
120gattacaggt ggcaatggac aagttttctc tctgctgcat caactgcaat ctatgtttac
180atgtattcct ttactacta ttttttcaaa acaaagatgt atggcttatt tcaaacatca
240ttttactttg gatatatggc ggtatttagc acagccttgg ggataatgtg tggagcgatt
300ggttacatgg gaacaagtgc ctttgtccga aaaatctata ctaatgtgaa aattgactag
360agacccaaga aaacctggaa ctttggatca atttctttt cataggggtg gaacttgc

418

<210> 1989<211> 420<212> DNA<213> Homo sapien

cgttgctgtc ggtcattttc tgcctctgtg gcaactgttca gaggatatca cgggcccctt
60gatttgcata cagaatttta cgaattgct acagacccaa ccattccacac tgtcccagaa
120ggcagacctg tgaatgtctg tgtgggaaaa gagtggatc gatttcccag cagcttcctt
180cttcttgaca attggcagct tcagttcatt ccattcagagt tcagaggcca gttacaaaa
240ccttttgcag aaggacctct ggccaccggc attgttctta ctgacatgaa tgaccagaat
300ctagaagagc catccagata tattgatata agtaaatgcc attatttagt ggatttggac
360accatgagag aaacaccccg ggagccaaaa tattcatcca atanagaaga atggatcagn
420

<210> 1990<211> 412<212> DNA<213> Homo sapien

cgttgctgtc gtgaatttac aggtggcgc cccgcccgtt agcggccacc cgggcatgga
60ccaagtgcac ccccaaaaca ttccggattc ccccatggcc aacagcggac cctctgctg
120caccatttgc caggaacgtt tggaggatac gcatttcgtt cagtgcctt ccgtcccag
180ccacaaattht tgcttccctt gctctagaga gagtatcaag gccagggggg ccaccggcga
240gggtgtattgc cccagcggag agaaatgcc cctagtcggg tcgaatgtac cttgggcctt
300catgcagggc gaaatcgcca ctatcttata tggggatgtt aaagtgaata aggagagaga
360cccttgaacc actgggcagc cacctcctt gccctagacc agctcctctc cc

412

<210> 1991<211> 415<212> DNA<213> Homo sapien

nncncgaggg aagatggacg cagctactct gtctacgac actctccggt ttgctgagtt
60tgaagatttt cctgagacct cagagcccgt ttggatactg ggtagaaaat acagcatttt
120cacagaaaag gacgagatct tgtctgatgt ggcattctaga ctttggttta catacaggaa
180aaactttcca gccattgggg ggacaggccc cacctcggac acaggctggg gctgcattgt
240gcgggtgtgga cagatgatct ttgccaagc cctgggtgtc cggcacctan gccgagattg
300gaggtggaca caaagggaaga ggcagccaga cagctacttc agcgtcctca acgattcat
360cgacaggaag gacagttact actccattca ccagatagcg caaatgggag ttggc

415

<210> 1992<211> 383<212> DNA<213> Homo sapien

ggcacgagaa aaatttcaac caaagaacag attcttctcc agccaaccat gtcccgcac
60tcagaagggg ttctatgctt ctactgataa gccaaactaa catcagatcc aatacagatt
120tttttaagat aaaataccat ctctactgga cctgtttagt ggctcaggct gccctcacag
180gacatccctg agaccacctt gtcactcttg atgttggaa cagggccag gccgtcctt
240cattgtctcc tgcctccta gtcccagga gaggaaaaga aatactgtt tagagaaata
300acattttcaa caaacatcc ctggagtcag attttgagtt ggggtgggct aatcaggag
360tcggggctct ctgcgtgatg tgc

383

<210> 1993<211> 401<212> DNA<213> Homo sapien

ggcacgagcc tcggcctcct aaagtgtgtt tattacaggc atctgccacc gcaactggcg
60tatccctaga aatcctatga tagcatgatg tataggcacc taaaggcatg gcaattgaga
120aatgtgaata ataattgtcg gtctctctc atggttcggg agagggaaac agtctcacc

180cctaaatgtc accttgaatt acagcatgtt atataagcac atcctggccc ttccttgaat
240ggggatcttt ctttctcacc aaatattgat ccttttccct tcagagaaca ttgtctttt
300tgctctcccc ttaggaattt tactgattcc ttaaatttaa aagggcgtgt tgtaaccttt
360atgtcccccg cccctcaca gagttggtgc gtctgtgatg g

401

<210> 1994<211> 385<212> DNA<213> Homo sapien

ggcacgagac caagaacact tcagtctctc taaggatgcc ctgagctacc tcactgttaa
60aggacgacat caacacagaa tgcactaaac aggaaataag ctgtaatcta gagaatttcc
120attatgtgtt actttttggt gactaacatg gaatgttgaa aaggaagagc tggaaagctc
180agttgttttc cttgttcttc tgacattgtc caggcaagag ggcacctga tcagatgagt
240agatttggtc gagaaaaacc ctagagtaag gcaggcactt tgtggagggtg gatgatgatg
300gctcataaaa acgtttgttc tcagtcacgt tcagggctct gccagcagtc tttcagattt
360gaactgctta nacaaacctt acaga

385

<210> 1995<211> 396<212> DNA<213> Homo sapien

cgttgctgtc gggagtgcag actgttattg tattgtgttc ttgtgcaaaa aaacccagg
60tgtatcatgg gaatacatct ttgaccttg acttccttgt gtcctgctgg cagaggctac
120tagttttgac acctgggtgag agatgtgaag tgttcttcta tttacttata tttatttatt
180tatttatttt aggcagggtc ttgtctgtc acctgggctg gagtgcagggt gtgcgatcat
240ggctcacttt accctccaac tctgggctt agacagccct gctacctcac cctcctgagt
300acttaggaca ggagacgaac cgcacatgc ccacccatc ttattatgat tgcttttatt
360ccagaacat atccccctat gaggcgacag tcgccc

396

<210> 1996<211> 383<212> DNA<213> Homo sapien

ggcacgaggc tttacttttc aaacatgact attcattggc atcatgtgag ttttttgttt
60gttttaatac tgagttctcc cctcctcca gtaagtctag ggtgtgtctg tgaatcatta
120ttttaataaa atgttatggt ttggtgtgt cctacccaa atctcctctt gaattgtagc
180ttccataatt cccacatgac atgggaggga ccccgaggga ggtaattgag tcatgggggc
240aggtctttcc catgctgttc gcatgatagt gaataagtct catgagacct gatagttttg
300taaaggggag ttcccttaca caagctctct tgcctgccgc catgtaagat gtgactttgc
360tcctcattca cttttagctg nga

383

<210> 1997<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggagtcattc tgcctagata ttggagctaa aatacattgc agaaatttgt
60tttagactag tctcttatgt agattgtgtg ggtttatgta gaacattttg tgttcagaat
120gcttttatta accttcttca tggtagctct gagaggctgt ccttatctct tactgatgat
180tagactgaga caagtggaaa gtaaagggtta gacaagatgt aaagtgtgtg gtttgagctg
240tgatgagcac actagggagt tccagatacc agtttgatgc ttattcaacc atttaggtta
300tcggtctgcg agtttgtttt ctgcagtgtg tgcataacta gtgttttgtc ctcttagagg
360atactctggg gacattcttg agtttttn

388

<210> 1998<211> 399<212> DNA<213> Homo sapien

cgttgctgtc gaagagctct ggcggttaca gacactgcag gaggtggccc tccgggtggc
60aggtgtctct gtgggacctg cctgctttgt tcccaccagt gcccatgtgg ctgtaagaaa
120tcataacttg gccgggcgcg gtggctcatg cctgtaatct cagcactttg ggaggccgag
180acgggctgat catgagggtc ggagattgag atcaagacca tctggcggc tgggcgtggt
240ggctcacgcc tggaaatcca gcaatttggg aggtcgagggt ggggtggatca cgagggtggg
300agatcaagac catcctggct aacacggtga aaccctgtct ctactaaaag taaaaaaat
360tagctgggcg tgggtggcggg cgcctgtagt cccagctac

399

<210> 1999<211> 398<212> DNA<213> Homo sapien

cgctgctgtc ggtaaactg cagaggaata aagcccga aaactacctac cagtgggtct
60ctagctgggtg gaattgtcag tgattttaac tttagctgct gagtcttttt gtacatatcc
120aaatttttaa aataatgaac tcccacaact ttaatacataa gacatgattt aacataaatt
180tgacatcatg aatggccaga ttgaaactgt aatgggcccag atggcacgtt tttacattgt
240ctcctagctt ttgccctata atcccaatag caagagtggg gagagagtga aaataggatc

300ttggagaggg actttgacga aattgggagg agatgaaaaa gccttgagtg ctggcaaagg
360aaacacataa gtgtcgggta tggttaatgt cagaaggt
398

<210> 2000<211> 400<212> DNA<213> Homo sapien

ggcacgagga gagaacccag ttctaggtac tgtctgggcc tgggaggcga gagcagtgcc
60caggggactt ctgggcttac aggacagcgt gtgtgacaaa attcacatct acctgaactt
120gcctctggag atgataaggg ccaaaggagc agtcagggag gggcggtagg ccagagtagt
180cccaggggga gacagattcc tccctcctcc ccgcctgcag ctctctttta tttttgtaa
240catttgagga gacgtccgct ctgtcttgta gtctttttat tttgtgcac cttataattg
300tattctacaa acaattttgt tttctgcatt taaacatttt tgtgttttta ggagatggc
360ttgctctgtc actcaggctg gagtacagt gcacaatcan
400

<210> 2001<211> 402<212> DNA<213> Homo sapien

ctagtctcga ggantttttt ttattttatt tttggtcccc caaagggaaa atttttttt
60tgcccttaaa aaaaaaaaaa agcccaaaaa actttttttt tttttcccc gggaagggga
120gtttttttttt gggccccggg ggggttaaaa acccggggaa aaaaaaatt cccccacca
180accgaaaatc ccaaaaaaat tgggaaacag gggggcccc cccccccctt cccccccctt
240taaaaaattt taagaggggg gggcccaaat tttccccg gcggaattta aaaacccggc
300cccaaaggaa cccccgggtt tccaaccctt aaaagggggg gggaaaaaag gggggcccca
360aacccccccc ctttaaaagg gaaaaaattg gggaccccc ct
402

<210> 2002<211> 402<212> DNA<213> Homo sapien

ggcacgaggt gacaactgat tgggccttgt aggtatgatt ggatttagcc aggcaattaa
60ataggaaagc agatactcat gacagattaa aacagcttga gagaagtga atgagcaagt
120gtaagacaat tgatactgtc catggatttt agaaagtgtg aagtggagtg attgtgatga
180agcttgaaag attgcctggg gccaggctgt tgaaggcttg gtttgcctag ataagtcaaa
240tcagtagagc aatggatagt catcacagat tttgtacat gggacttcac ataccttaat
300tgaatatcca tctgtgtaca aatattgttc aagcaatgta ggaatcaagg gaataaagg
360ttattctgat attatagagc atataacagc catgtaaata tg
402

<210> 2003<211> 401<212> DNA<213> Homo sapien

atcggcaccg agcctgagac ttagaaaccg cttatttgtt taaaaccac cttagagct
60cacaccatta gggagaagca ccatgtgaa tcatttcaca gttttcaact ctgggaaata
120atggagagag tttaaaaaatg taaaacttca gctatttttg ggctgaactt gcttacttga
180aaaatctggt gctaggcaca tatatctgcc tctcctttgc gaataccact ccaatattat
240tctttactat tcagatccaa gcttcagat ctacttgatc ttcattgtct ttaaaacatt
300cgaagatgt caactgagag aaacatttca gaggggggag gcttttgga ctggtgataa
360acatccctcc aagagaaccg cctgggggtc tcttctattt g
401

<210> 2004<211> 400<212> DNA<213> Homo sapien

ggcacgagac aaaatgctct cttgatctta ttgcctcat ctctctcatg gttgtacaga
60ggatagcacc ccaccatgcc agcctgactt ggagatatct cctgtgcct gctgcaggg
120agttacccca gtttccaaaa acagtcgccc agataaagga ggaaaaggga aaggcagacg
180aatggcatgg cttttactaa agaaaagatg ttggcctcat actctatact cagggttaa
240tgaaactggaa tctgcataac tcagcagtc acccagaagg gaaatggtta aactgagctt
300gttattgcct cggagagcct aagagcacc gcacacttaa ttctactccc tgtctagaaa
360agctgtcagg gagtctttg gaattgcaat gtagttatn
400

<210> 2005<211> 382<212> DNA<213> Homo sapien

ggcacgaggt ggcttgttgc aaattacatg caattagccc tcagacagcc tgaatcgaga
60gaattgtggc aaaacttgat ggtgcagaac ctaggcaggc agccagactc ctaaaccag
120tcacgtaaat ttgctgctgt aactggatct tcccaagcca caagtctgag aaatgggtgg
180cactctgacc tgaccactag attttcagga tattctcctt aagagaggta tccttgcttc
240taagtgaccc ctaaaacaga acctaggaaa ctctcagcca gataaattag aaattgatcc
300taaataggct tgtgccagg aaatcaacaa tgcagtaaaa atatcaggac aaaagcaaga
360atacttccca aagtcagaac tg

382

<210> 2006<211> 382<212> DNA<213> Homo sapien

ggcacgaggt tgggaagggt gtagtgccct aggttggtga cagaaggac agacacttgt
60gcacaggtgt ctttggtgat ggggtttttt tttttataac ttagtaaaaa aaaaaaagg
120tttgggaaat tttgtttttg ggaaaagcta aaaccaggt taccctgagg gggcgagg
180ttttctttcc tgccctttaa atctcttga aaataaaaaac ctggcacttg ttgatggtgt
240ttccaaaccc ccttaatttc caaaaaaac cccaagtta aggtcttaat ggggagggga
300gggcacgttt ttgacacatg gaaacttct taaggagggc cttctttcc cttttcccta
360aaagttttaa agtgccgttg gt

382

<210> 2007<211> 386<212> DNA<213> Homo sapien

cggtgctgtc ggaacaagggt aagacacatt taatatatct gatcaagtgg tcttgtccaa
60aaaatgtcct gatacatttt tttaaactaa taaatggagg attgcagact tactgaatat
120ggcaggatcc tttagcatgt aatactttaa aatggatcca cactgaactt ctgctggatg
180tactggagta agagtggcca gatttatcct cctctctcaa acaatgcaaa aaccagacaa
240ggtatataac ataagagttt ttagacacta gacaatactg ggcaagtgat cctgagagaa
300aatgaatgag gcacccctac aatttccata gcattctgct tagatagctt ccagtctgta
360gtctgcagga aggagatcca aaacag

386

<210> 2008<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggaagaccaa ggactaggag tgtgagaaaa attgacctc aggaggaaga
60ctgcaatgca tttagcagga aagagtaatg tttcttaaga aaaaaatgaa acaatgaaaa
120tccactaaaa tctgtctcaa ggataatatt ccatgactct acagggctta atgcgtgtga
180catatataga cttctgataa gcagtttgaa ttatatgggt cagagaaatt tccaggatcat
240aggacttctc tttaaagtaa aataaatagg ccaggcacgg tggcttattc ccgtaatctc
300agcacttttg gaggccaagg caggtggatc acttgaggtc aggagtttga gaccagcatg
360gccaacatgg tgaaaccccg tctctacaaa aatactt

397

<210> 2009<211> 396<212> DNA<213> Homo sapien

ggcacgagge tatcaatgta agatacatatc tcagattttg aagactagta ttacccaaaag
60aatgtaaaa atcacattaa taattttata ttaattacat gttcaaatga tattttggat
120atactgaatt aaacatttaa aattagtctt acttgatctt tttactttt ttaatgtggc
180tagaagaaaa taaaattata catgtggctc agattatatt tctattggac agcgctgctc
240tagaacatta tattaagtgg ttattattga agtagaccaa agtttatacc ataaggatat
300ttttccttaa ataccatgtt tgaagaacaa ttattttatt atccttgaat ctgtaagatc
360aaataacaag tctctatcca tgttaccaaa tttaan

396

<210> 2010<211> 394<212> DNA<213> Homo sapien

cggtgctgtc gattttttcc tggagagcct tatcatgtat tttatatgct tatgtggtgg
60tggatgacat catggaccat atagctttta tagagaattt ttctcaccat agaactgagg
120tctcaccagg tgatctacta tgcaaattcc tacagttttc tattcttaag aaataagggc
180cgggcacggc ggcagatgag gtcaggaaat tgagaccatc ctggctaaca cggtgaaacc
240ctgtctctac taaaaatata aaaaaatta gccgagcatg gtggcgggca cctgtagtcc
300cagccacctg ggaggctgag gcaggagaat ggtgtggacc caggaggcag agcttgagat
360gagccgagat cagccactg cactccagcc tggg

394

<210> 2011<211> 396<212> DNA<213> Homo sapien

gtccagttgc tgacggactc actttttacat ggtcagcttt cagagaataa tcacagagat
60gttagcagat ttaggggcac tttaaagctt ttgttgcgat gtttttcagg cttacaccaa
120ctttcgcatt catagaatgg tgggacctca aggatgagtg aggagagaag gattcagtg
180attttctgaa aaattattca ttacctatag ctgatacgac cagtgccagc catgaattac
240ctagtcccca tgcattgaca gctgatttac attcttgcgc cagctcctta tctcatagta
300gatcaggcgt ttgagtagca tagcattagc ttatctgttt ttttaagatc aatagaacte
360aacaaggac gatagaactg tataccccag tcaatn

396

<210> 2012<211> 385<212> DNA<213> Homo sapien

ggcacgagag tgagttcatg tattagggat aacagaagga aatcaagcac aaacttgctc
60ttttatttaca ataaactcca tacggaattt gaattctaaa gttaacaaat caatgaactc
120catgtaaaat agtcttttaca tggataatg gaaaacaatc gatggctcctt ttcttaaaaa
180ccaatttttc cccattgtaa tacctttttt tttttttaa agaaaatctc gctctgtttc
240cagggctgga gggcaacccat ttccatgtaa tatgtacttt ccccgaggac tgccagaact
300cacttgccat ttaagggaa tagaaccca ttgactaac acccttccaa acacccccg
360gatcaatact ttgtatcctt caatc

385

<210> 2013<211> 402<212> DNA<213> Homo sapien

ggaaacgaag tttttgggag aaatccgttt gataaagcct tggcggcttc gaggtcatgt
60gttgagcctc tggctgcagt aacaaaagcg aagcccgctt tcatggagct tctgtgaaga
120gcaacaggaa cacaggcagt ccagtcgtcc tgagatactg ggaggagcat ggttgctttt
180gaacacgtag gagataaagc ctctctaata atgcctgttt ttttttccct cactctgtct
240cccaggtgg agtgacgtgg cacgggtgctg cctcactgca acctccgect tctgggctca
300agtgtattct ctgccccagc ctcccaagta gctgggacta caggtctgtg ccaccatgcc
360tgtctaattt ttttgtattt ttagtagaga tgaaggtttt aa

402

<210> 2014<211> 397<212> DNA<213> Homo sapien

ggcacgaggg acatggctct gctgggcaaa gcaaggacgg gcacatccaa cctatgcggt
60ccatcagggg cactcacatt tagaaggggg gagtcttatt tagcccaggg gctgggggca
120ccatggtaat gttagaaaaa gggccagcgc ctccagaaaa tgggaccca ggcctggctc
180tgctccttct gctgtgtgat tctggttgag tggccttccc tttgagctct ctggatgaag
240ctaaggagaa gtcttggggt ctcaagtagt cactattcag actctcgctt tcagagtatt
300tataggagga aaggacacat aaggataggg ctggtggact tataaggccg tgtgtttgcc
360gccaccccat ttgctcccag ggctgggtgt ttgtctt

397

<210> 2015<211> 396<212> DNA<213> Homo sapien

ggcacgaggg gaccctgctc gccagatgt gctcctggac atttgcccag cgtcctactc
60agcaggaact gagggcccgt aaagcagcac ggccaggggg acgtgaacgg gctcgcctgg
120caactgcccc ggacaaggcc cgctccaaca aagggtcctt ggccttgann nnnnnntann
180tgngnnntnn tgggaagttg agtggagggt tntaacctat acaggtttct ttaactctgc
240tttagctcgg gccctccgt tttttttcc ttgaatccga gacgggaata ccgtgggctt
300tctggcctta tcccacaaat ataagaacat tccactgggt gtctgcttcc ccctggaat
360ataggactct ttcttggggg cctgtgaggc cttttc

396

<210> 2016<211> 392<212> DNA<213> Homo sapien

ctgcctcagc ctttcgaacc ggtgagacta caggcatgag ccacctcgcc ccgcccag
60gatttgaac tattaaaatt agagacctac cgattattga ttgtgtcaga ttgagctact
120aattcgatc tcaggggggg ggatagaact agtagaaaac tttggaaaat gtcatatagc
180ttaccatttc gagctttgcg ttattagata gtgcatgagg ccttctttt aagaaaatga
240atcaagggct gaggtctgta atagagtatt aatttaaaag ccaactcttc tcttggaagt
300cctgtcagta gcataccac catatggccc tttcttctgt tttctgtat tgcattc
360ctatttagtt ctgtgctctt agatccttct tn

392

<210> 2017<211> 389<212> DNA<213> Homo sapien

ggcacgaggg ccgctggcta tcttggggga gccagctgtt ggactatgcc ccaactgccag
60gaaacaggcg ccggaagggt ctctgacaag atctcgcttt cctagggcgg tgaaggcgtt
120caaaggctcg gaaggggcgc tgggagaagc ggggcagcgc tgagccatgc tcgcgaactg
180tgggtctgtc tgtgaagaga cccagtttcg tgggaccacg gtggcgctcg cgctgggagg
240tgagcttgtg acagagcgaa aactacaatt ccagcattc ctgtggtgcc agaactacct
300tgcccgaag cctgtgcgag atttaccctg tctccgctt cctcccacc ggaaaactct
360gaggacatga atagtcgcca ggcttggcg

389

<210> 2018<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aaagaggagc gagaatcaga tagtgagggt atgatgggac tgggtggctaa
60acagagaagg agaggtatat aagatcactg gaatgggaat ggttgttttg gaagtagtga

120agtttaggaca caaggggtgaa ctgcttttggg gtttgtatcc attctgttag ccttttgtat
180ttaagggccag cactgaagca gtggaggaaa tgggcaaagt aagaagagag aattctgaaa
240tgaagctgac tttgagcagg agtgggaggg aataagctag attatctggg cctccagcat
300ctctagacct agagggttttc tctatttctc cttttcactg tgaccaggga aataattttc
360agaagtaaaa aatctcatct gagactctgc aacaggcn

398

<210> 2019<211> 400<212> DNA<213> Homo sapien

gttctgtcgc attttaagaa gaaatttaatt tgtatttagc tctgtgtctc gcccttttgg
60tgtcaactctt ctacctcttc catcactata gctaaatatt tagaagtata tcttgacacc
120tagcacaaat gtttttggta agtatcttaa aactgatgga tggataggct ggggcagcat
180ggctcacgcc tgtaatecca gcactttggg aggccaaaggc ggggtgaatca cctgagggtca
240ggagtttgag accggcctga ccaacttggg gaaaccccg tctactactaa aatacaaaaa
300ttagtacagg gtgggtggcg atgcctgtaa tctgtctac tcaggaggct gaggcaggag
360aattgcctga acccgggagg cagaggttgc agtgagctga

400

<210> 2020<211> 397<212> DNA<213> Homo sapien

ctgctatcgg gaacaatcct tgagggtgag aacgtggatt gattcttgat tgatagtggg
60gattccatta tctgtatttg gcagttatgg cctgctgcgg tgtatagaag cttctttcca
120ttcattttcc cgaattttca tactgtctca ggaacagttg ggggggaatg ggcagaagg
180tgggcacttg agtatttgag ctatcggtaa taactgactt tttaggagc acagatttga
240gtagagccat ggtagtagtt agtaccatg ggtttttgct gcttctactc tttcttaaca
300gaaaaagtgg attgtgttca tataggaaag cagttcacag actgtcttcc tgccctccc
360gccaccaagc tggacctaga atcaagtgtg acttta

397

<210> 2021<211> 391<212> DNA<213> Homo sapien

ccagctctac attgaggtat agtgtattaa aggatctcag gagacttgca gcaaattact
60actgcttctg tgcttaaatt cagatgtctg agtctaaaa aaaagcactc ctagttaaga
120ctccaatttg gttgttaacc ctttggggcc caaggtttat ccaacccag agggattttt
180tttggctcct ttccttcaag ggggaaggcaa aaacggcttt aaagcaatat acccagggtt
240tccctgattgc caccaaatgg cctggacccc ccaaaaaaaaa aaagaatctt aaaaaccccc
300tttttctaate ccttttaata aagggggaaa taagaaggctc tttgccttcg gaaagtctgg
360catgttgccc attacttta tttctgcca g

391

<210> 2022<211> 391<212> DNA<213> Homo sapien

ggcacgaggc ctggaggctt ttcagggtgc ccagcgtggg gtccctgtag cttcctcttt
60aggaaccac cagagggcag caggtccctt tcaacttcgt agtaagaacc cctccgtttt
120tgtgtgtttt tgttttgggt tctggagac aagggtcttg tttgtcacc aggttgaggt
180gcagtgtcgt gatcaagggt cactgaagcc tggacgtgt gggcactgcc tcagccgccc
240aagtatctgg gaccacaggc gtgcaccacc atgcatagct aatttatttt ttgtagagac
300aggggtctccc tgtgttgacc aggttggtct cgaactcctg ggctcaagca gtccctctgc
360cttgccctcc taaaagtgt gggatcacag g

391

<210> 2023<211> 389<212> DNA<213> Homo sapien

ggcacgagct tagctgagct tgttgatatt cttatcctat gttctgtcca ctcatggctg
60ggggccctgc tcacatacca tctattctat gaagctgcgc ctgagtgagg cttccttact
120gcctttgtac acagtaccaa acatagtgc tagcatggaa tagatactca atagatattt
180gttgaatgaa caatgaatga atatttgttg aatgaatgca ttatccact tgggagcaat
240ccactcttcc tctatgcttt tatatcactt tgcctctacc tcgttttatg gagctctcta
300cattttaacct ttatttttag taattatgt ttatagcaa ccccttctcc agaaggtcag
360cccttgata ataccgctg ggtcaattg

389

<210> 2024<211> 387<212> DNA<213> Homo sapien

ggcacgagga aagttttgcc ttggaagtac aagaccatgt cttccagata ccagccccag
60attacettca gcattggggc ccagctggag acaacgttga tcataatgaa aaggactgtg
120ttttcaagaa ccatactgag gatgaatccc tagagggaat tcagccccc gtgggggagc
180atgggttgaa tacgcccttc tctgtgagga gaagctggga ttcattgaat gaggatgtgg

240aaacagaagt tctaagcatc tgctttaatg agaaggggtcc tgttcatgcc atgcctgtgg
300ttgactcagg aaacaggcag gaggataccc atggctccga tggagatggg gatggggaga
360ttgtggacga ggatgcagcg gtggcg

387

<210> 2025<211> 386<212> DNA<213> Homo sapien

ggcacgagggc ggcctcctcc gcgcctcgcg gcatggcgtc ggaggggccc cgggagcccc
60aaagcgaggg catcaagtta tcagcagatg tcaaaccatt tgtccccaga tttgccgggc
120tcaatgtggc atggttagag tcttcagaag catgtgtctt cccagctct gcagccacat
180actatccgtt tggtcaggaa ccaccagtga cagagcagaa aatatatact gaagacatgg
240ccttttgagc ttcaactttt ccacctcagt atttatcttc tgagataact cttcatccat
300atgcctatcc tcttataacc cttgactcca cacagaatgt ttactcagt cctggctccc
360agtatcttta taaccaaccc agttgt

386

<210> 2026<211> 383<212> DNA<213> Homo sapien

cccttttggg gagggcgacag ggggaattga ttttaaataat tgttttcgcc tcatcaaagt
60tcaccatcca gtttagctac tggattcac tggatttctt caaattggag tgcgaatgc
120tttaggtttt gaaaaccgcg gcattggaaa gctttgatag gaagtaaagt ttggagctct
180tattttctcca gttagcaaat gttcgatgcc tggatactg ttagggtcca aatgaacaga
240atagaaaccc tgctttgaag gaaaaaaca ctgaagagaa actacacgta attagtatt
300actgcgcagt atagcttagg aagtgtacc gtagtagaat aatctacagg ggagtgatta
360acagtgttg ggtaggctag acg

383

<210> 2027<211> 384<212> DNA<213> Homo sapien

cgttgtgtc gcttgctttt tacagagcca tgaagcagca gatgcaaccg aatactgtgc
60agcatgagcc acagacgttt acgggaagaa ccggcaggag gcgccgggaa actaaagggc
120tccagctctc tgagtgttg ctttgccatt gtggctgtgc gagctcagcc tcttgaaaac
180ccgccctgag cttggttaac agcattcact ccaggtttag cccagctcca ggttatcgca
240ggcaggactc ccgagaacag gttcatgttt gctttttggg aggtgtgcg cttaaagtga
300aaaccacctt gggccgagtg ggaacctccc agctggggcg ctgtaacca gccaggatgt
360ctgacctga gaagtcaccg tgcc

384

<210> 2028<211> 382<212> DNA<213> Homo sapien

cgttgtgtc ggcggctgga tggctcttat attccaaaac tcaccccaag cctctcctgc
60aggggtggcc agagattgat cccccagggc tgggttaggc atccctggtc atgccccaaa
120gcgcctgggt ctctgtcat cacacttagt gtaaggatcc atttactcat ctgcctctcc
180cgccctcttc cttctctcc cctcctctcc cctccttccc cttctcttc ctctcttcc
240ctccccctcc ctctctgagg aacttgggtcc agctacagtc aatatctaga gaaggtattg
300gcctagagaa ccttgctcaa tcttaagccc gcacacctgc cgtactttgg gatcaccgcc
360ggaaccttaa catgctgatg cg

382

<210> 2029<211> 382<212> DNA<213> Homo sapien

cgttgtgtc ggcagaacta ctactaaga actactcctt gtttgtgagg attgtacctg
60ttgagagaag ttgcaaaaag aattagtcaa aagaattagt caaaatttgt cctctgacct
120aggtctgaag gacatttaac acattgattg ttctcttcat ccagcctttg agccctatga
180gttagtgccc ttagcctttg agtcccacag gtatggagga gctacctgtg gggacctgag
240ccatcactat tctgtctca agttacactg gtgcctctca ctgacctgc tctgaaaagc
300cagctggaaa aatcaatgca tttaggtaca taaattcttt ggctccaaag aatgccata
360gcaatattgc ttttaattca gn

382

<210> 2030<211> 402<212> DNA<213> Homo sapien

ggcacgagat tatgattata gtaaacagac tagtgggtag taatgctaaa ttaccatcac
60agttatgtc catctcccca cccattttt tttttttt ggatcaccaa aaaaatccgg
120gaaaccagcc tgaggggggg ctgacctgt taggaggggg gcaccaccac agggggggga
180attaacgggg accccgggct ccaaaaagac caaaaagggt gcccttgggg cccaccctaa
240cctaataaaaa aagggggccc taactggaat tcggaaacaa gcggatttga aaacaaaaa
300aaaggatttt ttggccccct ttttaacaa gcggccttaa aatttgaaa accccggcct

360aaaaaaccta gaaaaaaagg ggaggggaaat ggaggggcaaa aa

402

<210> 2031<211> 382<212> DNA<213> Homo sapien

cgtagctgtc gggagggttt gaaggagacc atcagctatt gtgtgatatc agacaccatg
60gtgatgtaac ggatttacag ttttttgacc aggaaagaat tgtcgtgct tcatcaacag
120gatgtgtaac agttttcctt caccatccaa ataaccagac tctgtcagtc aaccagcagt
180ggactacagc tcaactaccac acaggecctg gcagtccttc ctatagcagt gcaccatgta
240caggtgttgt gtgcaacaac ccagaaatcg ttacagttgg agaggatggg cgaataaate
300tcttcagagc tgatcacaag gaagctgtaa gaaccataga caatgcagat agtagtacac
360tccatgctgt aacctttctt cg

382

<210> 2032<211> 401<212> DNA<213> Homo sapien

ggcacgaggt gatcaaggag atggcagctc atatccgtga ggtggagcag agccgacagg
60aggtggttgc gtctgtctta gagcctcagg cagtgccaga cccagaagag ggctcttcag
120cacctagaag ctggaaaggg atgaacagcc aagtagcttc cagcttacag cagccctcaa
180atttggacct gccaccagct ccagagcttg actggatgga gacaggacca tctctgacat
240tcattggcca tcaggatata ccaggagttg gtaacatcca ctccaggtgcc acacctccct
300ggatgatcca agatgaagaa tacattgctg ggaaccaaga aataggacca tcctatgaag
360aattttctta agaaaaggaa aaacagaagt tgaaaaaact c

401

<210> 2033<211> 396<212> DNA<213> Homo sapien

ggcacgagat tctccgggt tatattcatt ctctgcttct ttctcccttc acccgtggga
60ctctcaccct tcttgetcat tctccagcac ccattcctac tttagtctct ttgaaatctt
120ttttggagat ttctctcag ctacaaatgt tccagtacaa ccaatattac tcctgagggg
180caaagacttt ttcataattta tgtccctagt atctggtatg gcgcctggca tatggcattt
240cagaatatgt tcatagttga aacagtagga tagatatttg tcatcttgac aagtagccct
300ttgcaattta tacttgagtt cactcctggt caatggcaca tggctggaaa atgcagaaag
360caaattcact tacagcctga ggcttataaa gcttgt

396

<210> 2034<211> 396<212> DNA<213> Homo sapien

ggcacgagaa cagaagtgtc tggagtagtt ttcaggtata ggaatgagat gcctcgtggt
60gaaaggatct caccctggga agatgtggtg cccctccag ggctctggag gatggatgcc
120tccccagggt gctctccaag ctgggcattt gggcctggtg gatgccaacc tggataacct
180gttggcccagc attgactgtc caccagcct tgcgttagg caccatgact ccaagatgaa
240gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc gggcatcaag
300cacaaggcca tgcaggtgat gatacgtcgg aatagaggca ccagccctgg taactgcac
360ttctccctt gccaccccat ggccccggct gaaagc

396

<210> 2035<211> 392<212> DNA<213> Homo sapien

ggcacgagat catatccagg atgccccaca tacaccaagc caggcagagg gcagctcagc
60tctgtccca tctgcttttg atatctttac ccaaaggcag gtaaccgaa gaggcagcct
120ccactgccc cagagccagg ccagttgtg ttggagtata ggtcaggagc tgtggaagga
180ggcagctgt gagggactca tgccttagga gtcctcacc ctcagactgc tgcaggacat
240tgccaggcct ctctccactt ccttcctcag catcacagact tcatgetatc ttccaattcc
300ggggagtcct agctattagg gcagtttctg ctctccatt ttggggacaa aggccttgcc
360cagtacaaat ctagccctt gtcccacaga cn

392

<210> 2036<211> 389<212> DNA<213> Homo sapien

ggcaccagat ctttctcaa agcatggttg ctgagtaccc agagttgcca ggagtttttt
60aactgattta gccagggtgc aatcatgagt gaatggatga agaaaggccc cttagaatgg
120caagattaca tttaaaaaa ggtccgagtg acagccagtg agaagaatga gtataaagga
180tgggttttaa ctacagaccc agtctctgcc aatattgtcc ttgtgaactt cttgaagat
240ggcagcatgt ctgtgaccgg aattatggga catgctgtgc agactgttga aactatgaat
300gaaggggacc atagagttag ggagaagctg atgcatttgt tcacgtctgg agactgcaaa
360gcatacagcc cagaggatct ggaagagag

389

<210> 2037<211> 397<212> DNA<213> Homo sapien

ggcacgaggt ggctggcacc ccaccctgtc ttctctgac tgggtgctggc gtagggccgt
60gggggtaagt cactgtctccc cgtgggctca gggaggcctc tgcacttagg gtctgaccag
120cctccccact aggaacaggg tgggaaagtc tgcctctgag ccaggagtca ggctgggagt
180agcaatgctg ggatgggagg tgtgtggccc tcatgggcct cctctgggaa gccccagca
240cagatgtggg ccactcaga ggctgectcc tggacctccc cttctgctgg accccggcgt
300atgcctcagc taagcccgta ttctattctg ctcatgtgt cagaactcta gacatttgcg
360tccgcaatta tatcccatc tcctggagga ccaggac
397

<210> 2038<211> 389<212> DNA<213> Homo sapien

gatactatgc ctttaacttt agaccgcagt atattataat acatttgata tctgaaatat
60ctttactttt ttaagagtaa gattccatat gtctgtctgg aaggagacca tggttattca
120cacgaatata cctgtcactt ctccagaggt gtgaggtaac taacacgagc attctttgaa
180gactctgggc acatgaatga tacacagaat tgaatgttta aatttccact ttgagtcctc
240atgaatcatt tgagactagc accagctgat cttgtgtaca ggctcagggt cagtgcctaa
300gggctcccg cgtgtgtgtc tgatcttcag tgcgtagcac attctccatt tataaaagag
360tggtcagaat aattgtggac ggtacagtg
389

<210> 2039<211> 391<212> DNA<213> Homo sapien

ggcacgaggc gacatttaat tttagttagt ttacatttaa acagccacac ttgactcgtg
60agtgccttat tcgacggtgc atctctggag gacttgctcc cttcagcctg acttacaaga
120aactgtgtct ctacctgagc tccagttgtt gagcgctaag gggcaagtgg aaaccagat
180gaccatcaca tcagccttgg gagcccaaag ctgggcagag ggcttggaag ttggccatat
240tcatggctgg tatctccatc agatgctgat ttggggccat ctgtgtatgt accctgtgga
300gttaagtgtc ggtgattcag agcgggtatag ttgtgattta cacactcaag aaatgggagt
360gcggggccang tgtggtgtct cagcctgta a
391

<210> 2040<211> 395<212> DNA<213> Homo sapien

ggcacgagga acggggggac ccttagccct caaggaggga ccaggaactg ccaggaaacc
60ccctgtccgt gtcccgaag gggacagcca ggcaggttg cacagcagga cctccttcca
120tcctggagag ggaggaggga ggcagctgcc acagtggaa taacctgaa cctcctgtga
180gtcatggaat ggaagacaga gcagacctca gacctggag agtcaggggc gccactgagc
240cagcccacga ggctgtatct gaggggtgag cctggcacca gcgggtgctc cgtgactgcc
300tgtggcagcc ccgccacac tcgtgccact cgccttctct gggcgctccg gatcgccagt
360agtgagttcc acgcggcgct tctgtggtaa ggagc
395

<210> 2041<211> 392<212> DNA<213> Homo sapien

ggcatgagaa gaagctctgc ttggtactac tattatgaac aacattgtta tttggaattt
60aaaaactggt caactcctga aaaagatgca cattgatgat tcttaccaag cttcagtcgt
120tcacaaagcc tattctgaaa tggggcttct ctttattgtc ctgagtcac cctgtgccaa
180agagagtggag tcgttgcgaa gccctgtgtt tcagtcatt gtgattaacc ctaagacgac
240tctcagcgtg ggtgtgatgc tgtactgtct tcctccaggg caggctggca ggttcttgga
300aggtgacgtg aaagatcact gtgcagcagc aatcttgact tctggaacaa ttgccatttg
360ggacttactt ctcggtcagt gactgcct cc
392

<210> 2042<211> 401<212> DNA<213> Homo sapien

cgttgctgtc ggctttttgg actgtttctt ataaaatctg ggaagatggc tccagtgatc
60attctacata tattgtacaa aactagatt ttcacctggg tcataatact atggttacca
120aaccatgtgg tgctttggaa agtcctatgg caacaataac caagataaca aggcgtcgcc
180atgaaaatcc acccatgga gtaacaagtg tgaaagaatg gttcaattat gttacagcta
240caaggaaatga agagctaat ctgttcgta atgttgatgc taacaacact gagaatagca
300ctactgtgaa gaattctagt ttgtgagtg gattcagagg aggttctagc tacaacctg
360aaacagagac tatctttgca ttaccaagga tgcagcttga c
401

<210> 2043<211> 398<212> DNA<213> Homo sapien

cgttgctgtc gcggccctc ccttctccc acagccaagg acagacaggc tgcttgacc

60tgagcccaac agccttcagc ctcagaaacg catggggggc cacacactcc ttatatcctc
120ccacactaag gttccccctg cccacaggga gtttcaggaa agcccccaa gttagccact
180gctctaggac gagctctgtg tccccacac cacaggcctc gaagcagggt gctgggtggg
240gccccgcacc ccaatcccag gtcccccttg cccctattt ttctcgggcc cattggggcc
300tgtttctcac ctgctggctg gacccctga agggccgttc ccagaggctc cccaggaggc
360ccaaggctgg gggtttatgt tgtggtcggg ggtccccg
398

<210> 2044<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggaaagctct gtgttctttt gccttcaatc tgntggcttc aaaacaaaca
60ggcaaaaaaa gcttcttgcg cgttcctc cctgaaaaac ttctttttt ttttgcttg
120tatgcacaag gtaggactta cttcgtgaaga aacaaaatgc cagtattttt ttaagccatg
180atgtgaaacc aatgaccctg tgaccacatg gcacagaaca ctaaattttg gtcccatggc
240tgaaacttga ggggtgactaa aagtaatgcc tgtgaaacat gatattctatc tgggatggcc
300atttgatctc taaaaggaat tttgtacct ccacagaact cctattctata gtaaaattga
360ttttcagttt taaatgtggg caaaaaggca ttctctc
397

<210> 2045<211> 394<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc
60agcaatagag tgagactgtc tcaaaaaaaa aaaaaaaaaa accccccca ttttcaaaaca
120accccggaata attttttctg ggggcccttt taataaaaaa ccacgggggtt ttactttttg
180tatttcccca aaccccttg gggcagggtt tggggggcgg aatttttttag ggccctcaaa
240aaaatccttt ggggtttgaa aaccgggaaa accggggcat taccctttt tgggaagggg
300gcaaagcctt ttttttttgg ggcctttctt tttttgagaa ggggtcttcc ctgtcccc
360ctgcttaaaa accctggtgc aaaccgtgc taag
394

<210> 2046<211> 397<212> DNA<213> Homo sapien

ccaaaccac gtcaaaaatg gcttgtttt agcgatgtta taaaacaaag gcctgtttt
60tggaattggg ggtgactggg tggtttgat tgaaatgtg acaaagatag catgtgtatt
120ttgaataaaa taaaaatttt gtaataaaac ttttaaaat cagtgtatga aaatcaatat
180ttaagactat aggtataaaa ttgtttgatt tcattaacta gcccttttga tgcctagaca
240tggtgtaaaa aaattgtgct atggctgcct tttcttctgc ccacaacac aaagggctat
300ttctacaagg caaagatttg gatgtgct attctttact tcagattgag agttgngaaa
360aactggagta aataatgggt ttcttacttg cttanaa
397

<210> 2047<211> 400<212> DNA<213> Homo sapien

ggcacgagct ctggggctac aggtgaggac aggaggggga gctcccagcc tgagagtgt
60gacgtgcagt ctaatgaaga ctaccctcgg aggccctaa ccagggccag gagcagactg
120tcccatgtac tgctggatc tgagtcagaa gtacccaaa caaagccacg tcacgccatg
180aaacggaagc ggacagcaga taaatccact agtacaagt atcctgtgat cgaggatgac
240catgtgcagg ttcttgatt aaaatccaa aatcttggt gagtcactat gaccaattgt
300ggaatcacag atctagtgtc aaaagactgt ccaaagatga tgttcatcca tgctaccagg
360tgcagggtac taaaacattt aaaggtagaa aatgcacaa
400

<210> 2048<211> 401<212> DNA<213> Homo sapien

ggcacgaggc tatccctcct cctgttcct cctccagagg tagtctctgt taccctttta
60tttgtttctt ttatgggttt ttttgctga tttatacaaa tcgatgcaca aagagggtc
120cttctctca taaaagtgt tattagtctt cagtgcgcct tttttctcc taacaaatgt
180aaactgggag cattttccca agtacatatt tataatactt acggggccta tctagtattc
240tgtgaatata tactgttaat ttattcctc ccattgacag acttaccttg tttccatga
300ttgccattat aatcaatttg caaagaaaat tgctgaaccc ttgtttttt actagagata
360gacattttat ataataagtt gttgggataa gcagttttga a
401

<210> 2049<211> 401<212> DNA<213> Homo sapien

gggccattac ccagccccgg gccccgggtg cctctgcgtc cgtgccaggc ctectgatgc
60caaggccaca tccccgtgct tccagtgaac agaccactga ccacctgac tgtccaaacc
120tgtgacccca ggccagggaa cggggaggaa accaaagaaa accattttca gggagctcag

180acgtcacagg agggagcggg agcaggatgt ggccttggcc tcgccagagc acctgaagaa
240gcatgccgtg agcgaggctg cgagtgccct gggcgccgtt tctcacgcag tgaatgcttt
300tccaggcctc tggtgcttac tgcaccacac ctgggggggt gggagcgtcc tctaggtgcc
360cctagttctt tgtcctgcct cccagaggga ggaaaagccc c

401

<210> 2050<211> 401<212> DNA<213> Homo sapien

cggtgctgtc ggctgtctgt cagtggagat ggtgttggct gtctgtcggg ggagatgggt
60ggggctgtct gtcgggtggag atggtggggg ctgtctgtcg gtggagatgg tgggggctgt
120ctgtcagtg agatgggtga ctctgactgc tattattcta catttcactt tgcactggta
180ctagggacta gatagaattg accgggccat tgaggatagg ctgcttctac tacgccccct
240gtccactggg cagccacttt tttagacacc aggtgtgcac cgggcgcatt tcctcctcca
300gcccgtctta ggatccccac cctgctgttg aagggggccc attcttcaac gcttcataag
360acacttgtcc ggagaaacct ccgttcgggc cgaaactgtc g

401

<210> 2051<211> 395<212> DNA<213> Homo sapien

gccaaacatc cagaatgtga tgggacaaga tgggggcagg ggcctcacct ccctgcagag
60gtccggccag gtctccttgt ccctggacaa tctcctgagc ctctctgctt ggtggagcag
120gcacctgtgt gcagaattcc cactgtggcc agcacgagga agtcttttct agtgaaaatg
180tgtcttggg tcaggaataa ttatcctttc ccctgtagcc accaaggagg gcaaataag
240aaaggtaacc taattgaagg attggtcatg tgaaggggc tacatttggg aagctgggaa
300aggcctccag gcttctagag cagctagctt gggctggatt ctcacacca ggctgcccc
360tggtattgtt tacccaagct tttcctggg gtctg

395

<210> 2052<211> 390<212> DNA<213> Homo sapien

ggcacgaggg tgtgtctgcc acccgccctt ctcaagtga gctctgggtc gagagagggg
60gggggtgaat tttgggctaa ggagcctgct gatgtcactt ttcttgtctt ttcaattatc
120tgtattggct ttttgattgt caaagtaaaa aaatgtgaag attacaggaa tcatgtcctg
180ataatagcta cctcatatca agccctcact atgtgccagg caccttcttg ggacttggct
240gcagttgtct gttactcttc acacaagctc aatgaggcgg tcctgttatt accattttta
300ttttaagaat gaggagaatg cagcttcaag aaggtaagca acttgccgac cgtcacacag
360cttagccgag gaagagccag gtttcacaca

390

<210> 2053<211> 388<212> DNA<213> Homo sapien

cggtgctgtc ggcagatcac ttgaggtcag gagttccaga ccagcctagc caacatgggtg
60aaaccttgtc tctactaaaa ctacacaaag tagccaggcg tgatgggtggg cacctgtaat
120cccagctact cagggagcct gaggcaggag aattgcttga acacagaagg taggcattgc
180agttagctga aatcacctca ttacactcca gcctgggcaa cagagcgaga ctcttctta
240aaaaaaaaa aaaaaaaaaac tccgggggcc gttttttaag aaaatccaaa ctggataaaa
300accttggggg agttgggaca acccccacct aaaaggcggg gaaaaaaagg ctttatttgg
360gaaattgggg aggttttggc tttattga

388

<210> 2054<211> 397<212> DNA<213> Homo sapien

ggcacgagca gaggtgggag gtgatgagac tcaagactac agagagaaga aagggccggc
60agcccagatc ccagcccac ccctcctgcc ctgcattcag gcagagcaca gagggataaa
120gagggagggtg ggttggggga caaggcagag atgcatatac ctgggacgta cacctgcgtg
180gagcccagaa ggaggcttct gtccgccaca ctgtagtcc ccaggggccc ctgcaagtg
240gacatcatgt taccacacat gcatgtgact tggccagagg agacagagtc ttcattgtgaa
300ctggaaaaag atccccctct ccggtggat acatttgaca aacaaaaagt gggctgggtt
360tcagcccctg ctcatctcat tggccaata cctgtgg

397

<210> 2055<211> 390<212> DNA<213> Homo sapien

cggtgctgtc ggccgcaggg gagcgccggg gtcccggcga gcaggtcggg tcagcccagg
60ccagtaacct ctgagttacg ggaggatga tcgctagggg ccaccccggt cccggccaga
120tctgcccagct cccctctctg gcgggtgttc tgggtccaag tctgggagcc caggtagccc
180tcgcagaca gggcttctcg gcacctcaat gaggacggac gttgatgagg ccatgaatga
240gatgtcatgt ggccgtgtt ttggaccgtg gttcgtacct atgctcctta tgtcacattc

300cctgttgccct tcgtggtcgg ggctgtgggt taccacctgg aatggttcat caggggaaag
360gacccccagc ccgtggagga ggaaaagagc

390

<210> 2056<211> 403<212> DNA<213> Homo sapien

cgttgctgtc ggttaccttt ggctccagct actagctttc ctttttggaa cottacagg
60accaaccttg cctctcctga tgcgggattt ccctttgttt ctaggacagg gaaaaccaat
120gatttcacta agatcaaggg atggagggga aaatttcata gtgcttctgc atctaggaat
180gaaggtggaa attcagaaag ttcactgaaa aatcgttctg ctttctgtag tgataagcta
240gatgaatact tggaaaatga aggcaagctg atggaaacaa gcatgggttt ttcttcta
300gtccccacat ctctgtgggt gtaccagctt cccactaaga gtaccagtta tgtacgaaca
360cttgatagtg tactaaagaa gcaatctact atttcccctt ctn

403

<210> 2057<211> 391<212> DNA<213> Homo sapien

ggacgagggg gatgagagct gtttcgttcg ggacaagtgc ccggcggcgc ccgacggagc
60agaagagaga gcatggagct ggagaggatc gtcagtgcag ccttccttgc ctttgtccag
120acacacctcc cggaggccga cctcagtggc ttggatgagg tcatcttctc ctatgtgctt
180ggggctcctg aggacctggg cccctcgggc ccatacagc agaacttcga tatggaggct
240ttcactgaga tgatggaggc ctatgtgcct ggcttcgccc acatccccag gggcacaata
300ggggacatga tgcaaaagct ctcagggcag ctgagcgatg ccaggaacaa agagaacctg
360caaccgcaga gctctggtgt ccaaggctag g

391

<210> 2058<211> 396<212> DNA<213> Homo sapien

ggcacgaggg agggagctgc tgacacagcc ctgcaggcag aaggatcccg caaacgtgga
60ttacgaggat ctcttctctt actccaacgc agtggccgag gaagctgcct gcccggtgtc
120tgccccctgag gaggcctccc caaagccagt cctgtgtcac caatcaaagg aaaggaagcc
180gtcagcagag atgaacagaa taaccaccaa ggaagccact ttctcctgcc ccccaaaatc
240ccctcttggg gagaccggcc agaaactctg gaggagcctc aaaatgctcc ccgagagagg
300ccagaggggtc cggcagcagc taaaaagcca cctcgccact gtgaacttgt cgtcactctt
360ggatgtccgg agatccacgg tgatctcagc ccttgg

396

<210> 2059<211> 402<212> DNA<213> Homo sapien

ggcacgagct tcctctacag ctacagcttt cacatatgac gcagcattcg ggaatgtccc
60cgtcacctag caacagttat gatacttccc cacagccttg cactaccaat caaaatggga
120gggagaataa tgagcgatta tctacatcca atggaaagat gtcaccaact cgctaccatg
180caaacagcat gggctcagagg tcatacagtt ttgaagcctc acaagaggac ctatagtag
240atgataaagt ggaagaatta atgaggaggg acagcagtgt gataaaagag gaaatcaaag
300cctttcttgc caatcggagg atttcccaag cagttgttgc acaggaaca ggtatcagtc
360agagccggat ctctcattgg ctggtgcagc agggatcaga cn

402

<210> 2060<211> 395<212> DNA<213> Homo sapien

ggcacgaggg ggcggggcga tctcccacca gagtcaggac aagaagattc acgtgtacgg
60ctattccatg gtgagccgca gccccgtccc gccctgccgg agggcccagt accagcttcg
120agggccacct gagcctgtg ccctgaccgg tggccccagc tgagcacgca ggcttcctgg
180gggttctccca gggctcggcg cagagccctc cctccagggc ccattgtgtt cctgcattcc
240cccattggag acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg
300tctcctctcc ctgccttggg aggccttget gggctctagc tgtcctccag cactttgggc
360cctggggccc cagaggcagt cagtacctgg gtgga

395

<210> 2061<211> 387<212> DNA<213> Homo sapien

ggcacgaggg ggcggggcga tctcccacca gagtcaggac aagaagattc acgtgtacgg
60ctattccatg gtgagccgca gccccgtccc gccctgccgg agggcccagt accagcttcg
120agggccacct gagcctgtg ccctgaccgg tggccccagc tgagcacgca ggcttcctgg
180gggttctccca gggctcggcg cagagccctc cctccagggc ccattgtgtt cctgcattcc
240cccattggag acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg
300tctcctctcc ctgccttggg aggccttget gggctctagc tgtcctccag cactttgggc
360cctggggccc cagaggcagt cagtacc

387

<210> 2062<211> 390<212> DNA<213> Homo sapien

cggtgctgtc gatgctgtgg ccgaccatcg agccaaagac ttcattcacg attctctgcc
60ccctgttttg actgataggg agagggcact aagtgtttac gggcttccaa ttcgctggga
120ggctggagaa cctgtaaacg tgggggcccä gttgacaaca gaaacagaag tccatagtct
180tcaggatggg atagctcggc tgggtgggtga ggggggcccä ttgtttctct attacacagt
240ggaaaactcc cgtgtgtatc atctggaaga acccaagtgc ttggaaatat acccccagca
300agctgatgcc atggaactgt tgcttgggtc ttatccacag tttgtgagag tgggggacct
360gccctgtgac agtgtggagg accagctgtg

390

<210> 2063<211> 401<212> DNA<213> Homo sapien

ggcacgagca gggcctcttc aacactggca accagagaat gttaaccagg ctttcaccag
60acccccacct ccctatcctg ggaacattag gtctcctgtt gcccctcctt taggacctag
120atatgctgtt ttcccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg
180gatgagacct catggattta gatttggatt tccaggaggt agtcatggta ccatgccgag
240tcaagagcgc ttccttgtgc ctctcagca aatacagggä tctggagttt ctccacagct
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
360agttggactt cctcagcatt tttcaccaca gagcttgcca g

401

<210> 2064<211> 398<212> DNA<213> Homo sapien

ggcacgagca gggcctcttc aacactggct tccagagaat gttaaccagg ctttcaccag
60acccccacct ccctatcctg ggaacattag gtctcctgtt gcccctcctt taggacctag
120atatgctgtt ttcccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg
180gatgagacct catggattta gatttggatt tccaggaggt agtcatggta ccatgccgag
240tcaagagcgc ttccttgtgc ctctcagca aatacagggä tctggagttt ctccacagct
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc
360agttggactt cctcagcatt tttcaccaca gagcttgga

398

<210> 2065<211> 388<212> DNA<213> Homo sapien

ggcgccaggc gaacctcatg atctatatga tgatatacct ctcaaacttg ggggatgtga
60aaactctggg actgaaggaa aagaccgcat atactgggcc atcaatgaca agcactttgt
120ggcccatata gctaactacc gatctcctgg aagacggacc cagcggcact attcaaccta
180ccaacacctt atgtgttcaa tttgtgactc acgtgcacat ttatcagaaa acagtccctt
240accacgaaaa gtctgctgct gcttctctgt ctccaggaga ggacatctcc tgtattcctg
300tccagccccc ctttgcgat actgtcctgt gcctaagatg ttggaccact catgtctttt
360cagacattcc tgggataaac agtgtgac

388

<210> 2066<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggaccgcat cctgggggtc ttctctata acaagaccaa gtacgatgca
60aaccagcaag ccaggaagca cctcctccc gtcaccacag cagacctgag cagcaaggag
120cgtcaccgga gcccactgga gaagccccc aacggcctcc tcttccccca gcacggggac
180tatcagtacg gccgcaacaa catcttaaca gaccacttcc aatacagccg gcagagctac
240ccaaactcgt acagtttgaa ccgctatgat gtgtagagtc caaaggacag gaccagactg
300ttggtgactc ctccccggc ccccacagca gtatcagaaa cttctgacaa tcagtgaatg
360tacaacccag ccgaggggac ggtgcataac tctccat

397

<210> 2067<211> 395<212> DNA<213> Homo sapien

cggtgctgtc ggtgggcttg ctccattgtg ttggtgcaac ccagcagcg gtctctgggg
60ccaggcaggt ggtggagca ttggacttgg aggggaatac agagggcatg gaagtggcga
120ggctggcctg ttggcgaggg tgtcctgggt gtggggcggg ctgagtcaag gaaggactct
180gaagggtccca agcagctgct gaggcccca aggaagtgt tccaaccttg gaccctagg
240ggctctggatt tctgtggtta caagataacc tgagggcagg accccatagg ggaatgctac
300ctcctgccct tccacctgcc ctggtgttca cggcgccctg gtcccttctt gccgagagag
360tgtcctgggt cacggacgca gaggacgctc actga

395

<210> 2068<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggtgggcttg ctccaggggt ttggttcaac cccagcagcg gtctctgggg
60ccaggcaggt ggtgggacga ttggacttgg aggggaatac agaggcatg gaagtggcga
120ggctggcctg ttggcgaggg tgccttggtg gtggggcggg ctgagtcagg gaaggactct
180gaaggctcca agcagctgct gaggcccca aggaagtgt tccaaccttg gacctctatg
240ggtctggatt tgctgggtta caagataacc tgagggcagg acccatagg ggaatgtac
300ctcctgccct tccacctgcc ctggtgttca cgggtggcctg gtcctcctt gccgagagag
360tgtcctgggt cagggacgca aaggacgctc acagactcc
399

<210> 2069<211> 400<212> DNA<213> Homo sapien

cactacttca cgggcctgca ggtgcttcag ctgctgctgc tgtgtgcctt cgccatgagc
60tccttgcctt acatgaagat gatctttccc ctcatcatga tcgccatgat ccccatccgc
120tatatcctgc tggcccgaat cattgaagcc aagtacttgg atgtcatgga cgctgagcac
180aggccttgac tggcagaccc tggccacgcc ccattcgcca gccctccacg tcctcccagg
240ctggctcttg agctgtgagg ggaggtgtag gtgtgtgggt gactgctctg tgctgcgctt
300ctcatggct gactcangcc tggggcatct gggcattgta ggggtgcagt ggtatgtgcc
360caccctctc ccattatcct ttagctttag gccaaagagcg
400

<210> 2070<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggcagaaaat agaataaac aacttgaaac tgactcctca gaagaaatat
60cacgttacca agaaatgatt cagaaacttc aaaatgtatt ggagtctgag agagagaact
120gtgggcttgt cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag
180agactgagag ttaaggaag attgccctgg aggtcaaaa aaaagccaaa gtaaagatca
240gtacaatgga acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga
300tggagacag taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga
360aggcagccaa taggtggaaa gaagaaacg
389

<210> 2071<211> 382<212> DNA<213> Homo sapien

cgttgctgtc gccctaaggg aacagaggct tcttcgggga cagaagctgc cactggcctt
60gaaggggaag aaaaggatgg catctcagac agtgatagca gtactagcag tgaggaagaa
120gagagctggg aaccctccg tggtagaag cgaagccgtg gccctaagtc agatgatgac
180gggtttgaga tagtgcctat tgaggacca gcgaacatc ggatactgga cccgaaggc
240cttgctctag gtgctgttat tgcctcttcc aaaaaggcca agagagacct catagataac
300tccttcaacc ggtacacatt taataggat gagggggagc ttccggagtg gtttgtgcaa
360gaggaaaagc agcaccgat ac
382

<210> 2072<211> 394<212> DNA<213> Homo sapien

ggcacgaggt taacagtgat gatgacagcg ggctgctggg aactgtatc tcaggctggg
60atcggaaccc cctcttcac tccctcctgc gccttccctt gggggctgat gggctcacc
120acacgtccct gaagccact gagatcctct acctactga gccctatgac tggttcctct
180tcggggacat gttggttagt cggctcagca aaggggagga gattttcttc ttctgcttca
240attttttgaa gcatattacc tccgaggagt tctctgctct gaagaccag aggaggaaga
300gtttgcccag ccgggatgga ggcttcaccc tggaaacat ctgcatgctg agacgaaagg
360accgtggcag caccaccagc cttggcagcg actn
394

<210> 2073<211> 384<212> DNA<213> Homo sapien

cgttgctgtc ggtctgaatg ccgcctgcat ggcattggtg gatgcagggtg tgcccatgcg
60ggctctcttc tgtggggtcg cctgcgcctt ggactctgat gggacctcg tgctggatcc
120tacatccaag caagaaaagg taggtgtgaa gaccaggggtg gctgaagggc agaggccaga
180cagctgcccg tcccttctc caggcctcgc ttctctacag acagtcggct catgccacct
240caatccact tagcaagggtc tgctctaate atcatggttc atttagcagc aagtgtgga
300aaccagctc agacttgctt aattaggaag gaaatgtgg gccgggagcg gtggctcacg
360cctgtaatcc cagcacttgg ggag
384

<210> 2074<211> 393<212> DNA<213> Homo sapien

ggcacgagga aaacttcaat gaaactgaat aaacaactt cctctgtcaa aagcccttcc
60atgagtctca caggctcact aacacctcgt aacctccaca tagcaaaagc cccaggctct

120gctcctgctg ccttatgttc tgaatcccag tcacctgctt ttcttggtac atcttcttcc
180acacttactt caagcccaca ctctggcact tccaaaagaa gaagagtaac agatgaacgt
240gaactgcgtg ttccattgga atatggctgg cagagagaga caagaataag aaactttgga
300gggcgccttc aaggagaagt agcatattat gctccatgtg gaaagaaact taggcagtac
360cctgaagtaa taaagtatct cagcagaaat ggn

393

<210> 2075<211> 400<212> DNA<213> Homo sapien

cgttgctgtc gaccaacacc aagtactgct tgtgccagat gctacgagaa cagctggagt
60cgccccaggg aagggtgctc catgctgcc agtcttccc ggaaatttgt gaggcctttg
120gccttggtgc cttctatgag gagaccacac aggagctgga tgcccagcag gccaggctct
180cagccaagac ttcagagcag acaggggagc cagctgaaga tacctctggt gtcattaaga
240tggctgtcaa gtttgaccgg agagcatacc cagcccagat caccctaag atgtgcctac
300tanagtgggtg ccggaggagg aagtggcac agcctgtgta tgaaacggtt caacgcctc
360tagatcgctt gttctcctct attgtcaccg ttgctgaacc

400

<210> 2076<211> 403<212> DNA<213> Homo sapien

ggcagcaggt tcaagctgca ccgactgcac ttcacccgcc tcttggcagg aggccccgcg
60aagcagctgg aggcctcag ctatgctcgg cacttccagc cctttgctcg gctgcaccag
120cgggagatcc aggtgatgat gggcagcctg gtgtacctgc ggctggggtt ggagaagaca
180ccctactgcc acctgctgga cagcagccac tgggcagaga tctgtgagac ctttaccgg
240gacgcctgtt ccttctgtgg gctttctgtg gagtcccccc ttagcgtcag ctttgcctct
300ggctgtgtgg cgctgcctgt gttgatgaac atcaaggctg tgattgagca gcggcagtg
360actggggctt ggaatcaca ggacgagtta ccgattgaga ttg

403

<210> 2077<211> 400<212> DNA<213> Homo sapien

cgttgctgtc gctcactgca acactcttgc cttccagggt caagagattc ttgtgcctca
60gcctcccag cagctgggag tacagacccc tgccccata cccggctaatt tttttagca
120aattactcat ttgtctgtct acttttatt ataaagattg tggcaactct gcttaggact
180ctggattttt ctgcccaatt aaggtaaaaa aagaaaaaaa aaagcaacca ccaccataat
240attaccagg aaaccagctg tgtctgtgaa aaggccggcc tatcagattc aagttgcaag
300ccttatacac agtaagtgtc tcatgcacat atccatgagg attcacataa gctgccatcg
360gcccacataa ggataaacta aaacaaagaa tcaacatggt

400

<210> 2078<211> 391<212> DNA<213> Homo sapien

ggcagcaggg agcgtgggtg ggacacgggt tctgggtgtan acggggagcg tgggtgggac
60acggtgtctg gtgtagacgg ggagcgtggg tgggacacgg tgtctggtgt agacggggag
120cgtgggtggg acacggtgtc tgggttagac ggggagcgtg ggtgggacgg tgtctggtgt
180agaccgggag cgtgggtggg acacggtgtc tgggtgtatac ggtgagcgtg ggtgggacac
240gggtgtctgt gttagacggg agcgtgggtg ggacggtgtc tgggtgtatac tgggagcgtg
300gggtgggacac ggtgtctggt gtanaccggg agcgtgggtg ggacacgggt tctgggtgtat
360aatggaatgg gagtgtgtgt ttgtgacatg g

391

<210> 2079<211> 398<212> DNA<213> Homo sapien

ggcagcagcg gtcgcggagc tgcggccagt tttgggagg cggcccccg gatgctacac
60acaacccagc tgtgcctatg cggacatcac gtcgccatc aagtttctgt ttgagcgtgt
120ggagggcac tccagggtta ccatcattga tcttgatgcc catcagggca atgggcatga
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta
240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac
300agaggatgat gagtacctg ataagggtgga gaggaacatc aagaaatccc tccaggagca
360cctgcccagc gtggtggtat acaatgcagg caccgaca

398

<210> 2080<211> 397<212> DNA<213> Homo sapien

ggcagcagga caggaggaag aaacaagtat aaaggttttg gttttgaaa gaagttggaa
60tctccagacc ctgggacctt aagatccaca gaattgctga aagaaaaagt actaccttat
120tgaaaggatg aagaaacacg aaaagattat gattacatgc tggatcatcc agaagagtac
180tacagccatt actaccacta ctatagcagg cgcttgccc ctaagggtgga tgtagagta

240gtgatttttg tcagcgtgtg tgctatttcg gtgtttcagt ttttcagctg gtggaatagc
300tacaataagg caatcagcta cctagccaca gtgccaagt accgtatcca agctacagag
360attgccaaagc agcagggact gctcaaaaaa gccaaag

397

<210> 2081<211> 403<212> DNA<213> Homo sapien

tcaattccgt tgctgtcggc ggcggccaca gttggggccg gtggctccgg aacgagatcg
60ggaagggaac agtccactaa cctgcccgat agctatcctc tggcccggag gagaaccctg
120caaggggggtg cgagctcctt gctgacacag gcagggtttg agagtgccga aaaagcatac
180gtggaaacgc tgacagagat gctgcagagc tacatttcag aaattgggag aagtgccaaag
240tcttactgtg agcacacagc caggaccacg ccacactgt ccgatatcgt gggcacactt
300gttgagatgg gtttcaatgt ggacactctc cctgcttatg caaaacggtc tcagaggatg
360gacatcactg ctctccgggt gaccaatcag ccagtgaccc ccc

403

<210> 2082<211> 394<212> DNA<213> Homo sapien

ggcacgagcc caaagtcaaa caaactgact tacagaagct ggcacagagg gaggaagccc
60tccaaaaaat acggcagaag aatacaatga gacgagaagt aacgggtggag ctaagtagcc
120aaggattctg gaaaactggc atccgttctg atgtctgtca gcatgcaatg atgctacctg
180ttctgaccca tcatatccgc taccaccaat gcctaataa tttggacaag ttgataggat
240atactttcca agatcgttgt ctgttgacgc tggccatgac tcatccaagt catcatttaa
300atttttggat gaatcctgat catgccagga attcattatc taactgtgga attcggcagc
360ccaaatacgg agacagaaaa gttcatcaca tgcc

394

<210> 2083<211> 385<212> DNA<213> Homo sapien

cggtgtgtgc ggggaattca ttcaagactt tcataaactc accgcagctg acgataaaac
60tgctcaggtg gaagattttc tgcagtttct ttatgggtgca atggcccagg atgtcatatg
120gcaaaacgcg agtgaagaac agcttcaaga tgcacagctg gccattgagc gaagcgtgat
180gaaccggatt ttcaagctcg ccttctaccc taatcaagat. ggggacatac ttccgcgacca
240ggttcttcat gaacatatcc agagattgtc taaagtagtg actgcaaact acagagctct
300tcagatacca gaggtttatc ttcgagaagc accatggcca tctgcacaat cagaaatcag
360gacaataagt gcttataaaa cccc

385

<210> 2084<211> 386<212> DNA<213> Homo sapien

cggtgtgtgcc tgaatgtatt cgagcactat ttgggggatg acacgactag ggagcatcca
60cctgtgtgag acagctgtga taactatgac gctagagcct catgcagatc caataacacc
120gccagtaaac agacgaaaca tgcactgac ctggatttaa ctgaacaggg attaggccct
180atgataaatg gcattgtctc catgttgatg ctgatgctat tgatgatgtt tgctgtccac
240tgtacctggg tcacaagcaa tgcctactct agtccaagt tagtccctggc ctcatacaat
300catgatggca ccaggaatat cttagatgat tttagagaag cttacttttg gctaaggcaa
360aatcacagatg aacatgcacg agtaatgn

388

<210> 2085<211> 403<212> DNA<213> Homo sapien

aattcggcac gaggtagcat ggagggggag aggacgtagg ctgtgtcttc gggcttttgt
60ctcggcgcac tcgctttcca gcacctcaac acggactcgg acacggaagg ttttcttctt
120ggggaagtaa aagggtgaagc caagaacagc attactgatt cccaaatgga tgatgttgaa
180gctgtttata caattgacat tcagaaatat attccatgct atcagctttt tagaatgtgg
240taggttggtg caaattccgt cgtcattcag atcagatcat gacgtttaga gagaggctgc
300ttcacaaaaa cttgcaggag cttttttcaa accaagacct tgtttttctg ctattaacac
360cgagtataat aacagaaaagc tgctctactc atcgactgga aca

403

<210> 2086<211> 390<212> DNA<213> Homo sapien

cggtgtgtgc gctcctttgt ggcccctctg caagagaagg tggcttttg attatttttc
60ttaggagcca ttctctgctt ttctttttca tggctcttcc acacagtcta ctgccactca
120gaggggggtct ctcggtctct ctctaaactg gattactctg gtattgtctt tctgattatg
180ggaagttttg ttcttggctt ttattattct ttctactgta atccacaacc ttgcttctc
240tacttgattg tcatctgtgt gctgggcatt gcagccatta tagtctccca gtgggacatg
300tttgccaccc ctcatgatcg gggagtaaga gcaggagtgt ttttgggcct aggcctgagt

360ggaatcattc ctaccttgca ctatgtcatc

390

<210> 2087<211> 383<212> DNA<213> Homo sapien

cggtgctgtc ggctgggtgat agctgtgtta cctgccaaat ctccaccaac aaataaaatc
60ggaagttaaat ccagcaatgc cagttggcct ccagaattcc aaccaggagt gccatggaaa
120gggtatccaaa acattgaccc tgaatctgac ccttatgtca cccaggaag tgtgctgggg
180gggtacagcca catctcccat tgtagatact gaccaccaac tgctgcggga taacaccaca
240gggtctaatt cttccctcaa caccctgctg ccttcacctg gtgcctggcc ctacagtgc
300cttgacaact cctttaccaa cgttcatagc acttcagcaa agttccctga ttacaaatca
360acatggtccc cagatcccat agg

383

<210> 2088<211> 402<212> DNA<213> Homo sapien

ggcagcagca gacatggcgg tggtggcggg gaacagcggg gagacgtgct acagcaagta
60cgggggccatg gccctcaaga gccgggcctg ccacgagatg gccctgagaa tcgtcctgca
120cagcctggac ctccgcgcca actgtacca gcgcttcgtg gtgccgctgc tcagcatcag
180cgctgacttc tacgtgcgtg tttttgtccg tgtcttcacc ggccaggcca aggtcaaggc
240ctcagccagg gccaagttct ctgcagcctg tgggtccccc gtgacccccg agtgtgaaca
300ctgtgggcaa cgacaccagc ttggtggccc catgtgggca gagcccatcc atgacctgga
360ttttgtgggc cgtgtcctgg aggtgtgag cgtaacccc gg

402

<210> 2089<211> 381<212> DNA<213> Homo sapien

ggcagcagtg cagcctgtg atcccagcta cttgagaggc tgaggcagga gaatcacttg
60aactcgggag gtggaagttg cagtgaagtg agatcgtgcc actgcacgat ccgcctgagc
120gacagaatga gattccatct caaaaaaaaaa agtacttaat acctacttta aagattgtca
180tggaatatata aagtatgtgg cccttactaa tgctagataa tgctttgctt tcttttattt
240gcatcttacc ctcttcctg agtattgata ctgtcttaaa catagtaggg ttgattaga
300tatttgctgg ttgccccttc acttgcaggg gatacataca aatgttggtt ygtattggat
360aatgaatatg atgtttctaa a

381

<210> 2090<211> 367<212> DNA<213> Homo sapien

ggcagcagga gctttgtcaa aatacctggc ctctagtctt gagattttat tattgttcat
60tagaccagtg ctagggcctg aatgttttgt gtttatcttt tttttttta acctttattt
120taagggttaag ggaaccccag aagggttggt cccataggaa acctggggcc acaggaattg
180gtggaccatt taattccctc ccccgggggg aagccccagc ctaaaaaagg aatttttttg
240gccccttttc tttccccccc ctcccctttt aaaaaaaacc ccaggggccaa tggttccttt
300tttggggcca aaaagtctta acatttccct ccccttaaaa agggaaacca gcgcggagtg
360aattttg

367

<210> 2091<211> 363<212> DNA<213> Homo sapien

ggcagcagat agggtagtct tgactagata taaccaaggg ataaaaggg attagctgac
60tcaggataac atttcaggtt tgtgaagatg aatttgtcct ttgaaacaga tctttttaga
120aagggtgttt cataatttct gaccgaagta tttgttacac gtaaaataag taagaacgga
180ctgaggccag aaagctgtgg atgacagaag ggattgggtgc attctcagtg aattttgata
240caaattaagt atgtgggtag tttttaaata catttactat atatatatat taatgaaaaa
300ttgtttccta aactgtgaaa aggttatta aagaaattta gaggtggat gcggtgactc
360atg

363

<210> 2092<211> 380<212> DNA<213> Homo sapien

ctttgatect tctggaatta attttggtgc attgactgag gtaggggctc acgtttcctt
60cccgatgtca gccactactt ttggtctttt aatctataaa agcaggggcac tgggttagaa
120tttccctaat ctcttatata tcaaacaag cactcactgc aaacttgatc aatagaggaa
180agtatgcttt ttttgtattt taccttttac cagtttctact tactgtaaat cataagggtg
240ctttacatag tagaaaaata gcattatctt aaacctggct ttttattact aaatatatca
300ctaaaaatgc tttacaaagc agtaatgatt ttatttcttg ggaataaaaa tcaagaaagc
360taaaggagct gctatgccac

380

<210> 2093<211> 375<212> DNA<213> Homo sapien

ggcagagac gaaaggaaac cttacagaaa catgaagccc tcaaccatct gctactcagt
60tattcggggc tgacggcggc ttctagaaca tccaggtgtt ctgcagatgc gagaactcat
120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct
180ctgaggccct gaatacagaa gggctacttt cttagtggcc aaagagcagt tgttgacatt
240gatgtctaatt tattgaacac gaccagtcatt ttactgagc tgcggtgagg aaactgac
300catagaagat caagccaaat gagggattgc aaatttctg attcttttga attaggattc
360cagatggggg cctca

375

<210> 2094<211> 369<212> DNA<213> Homo sapien

ccgttgctgt cgggctgagg acttatctgg ggttctgaga ctccctgtcc cggaccgcag
60cgttaaaagg atctgaacaa agtctgctca aatctcctgc tgtgaaccag cagaattttt
120gaacagggttt cttcacatat aaaaatctat tgtaaaaata cggaacagaa tggcagcggg
180aacgcagaca ctgaactttg ggctgaatg gctccgagct ctgtccagtg gtgggagtat
240tacatccctt cctctttctc cagcattgcc gaagtataaa ttagcagatt atcgttacgg
300cagagaagaa atgttagcac ttttcttaa agacaacaag ataccttcag accttctgga
360taaagaatt

369

<210> 2095<211> 377<212> DNA<213> Homo sapien

cggttgctgt gccacgaac acagccttgg gcccaagggt atgcgcgccg ctcttgagtc
60cctcagatgc caaacgaaa aaaaagcctt ctctctctaa gacacggaaa tgcaccgagt
120ccggctctgc ctcaccccca aatccttccg gtccccaac tggcagcca aaatcgaaaa
180ctactctcgt ctcagcggcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccggccgct gtcgcccact taggacggca tcccgagact acccttctca aggccgtatg
300accagtccga gctgccatga tagactctcc gaagccggtc gtcacctgcc ggaccagccc
360tgcagcaccg tctctcn

377

<210> 2096<211> 372<212> DNA<213> Homo sapien

cggttgctgt gccacgaac acagccttgg gcccaagggt atgcgcgccg ctcttgagtc
60cctcagatgc caaacgaaa aaaaagcctt ctctctctaa gacacggaaa tgcaccgagt
120ccggctctgc ctcaccccca aatccttccg gtccccaac tggcagcca aaatcgaaaa
180ctactctcgt ctcagcggcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccggccgct gtcgcccact tggacggca tcccgagact acccttctca aggccgtatg
300accagtccga gctgccatga tagactctcc gaagccggtc gtcacctccc ggaccagccc
360tgcagcaccg cc

372

<210> 2097<211> 148<212> DNA<213> Homo sapien

ctangaaaga ccccttcttc ttgcagtgtg tctccagcgc cctctactga caaagtatgc
60catcatgcaa gctgcaagg aaacatttca agagtctata tctattttca cggagcgggc
120accaacagtg aatgtggagc tgagagag

148

<210> 2098<211> 379<212> DNA<213> Homo sapien

ggcagagag aatgcctcca ggtggtcat tccatgtgac tagtgcaggg ttgcatggga
60gaggatagct gatgaaccca gatttgaaa ggctttgtgg ctctgtctga ggattgtggg
120cttaactctg ggtattgtgg agctgttaaa acacatatta aggagtgcag tgatcagatt
180ttctctttta aagtgcattc tgtggagcag taattcttag ctatggagtc caccacaaac
240tttgtcatga taggttgtga ggtatattaa gtatatgtta ccaataataa aatatcaggg
300cttacacatt aattgatttt ttaataagtt aaagcaagtt gaggttatca ctgtgatttt
360cttcattcac ttacatcct

379

<210> 2099<211> 375<212> DNA<213> Homo sapien

ggcagagat acattttata ttggaagggt tgtccaaggg caggtgggag cagtatagta
60tatgcatgct caggcagggc tagagtttga cctcaccacc tcaccagtca tattagagta
120gctgtccaga caagggtgtg gacacaattt cttatcagac caacaacctg caaagcagtc
180ctcagtcctc atttccctcc tgcttgtagc cagctatcaa aacctcaact ctggctaatt
240ccagcaatcc gcctaggttg ctgagcactg ctagagacaa atcatacaac tatgcaaat

300agtgttacta tatgatcact aacctcgat gaaccttcac tgtgcttgca acatcagctc
360ccattcctac_cactt

375

<210> 2100<211> 371<212> DNA<213> Homo sapien

cgattcgaat tccgctgctg ccgaaaactt ctggtatattt acccacgaag aacttcacgg
60gtccagtgga tttgccctta tggccgagtg tccatacaca ctccaaaatt catttatcag
120ccacaagatt agttcgtgtt tcaacatctg tagcttcagc acatactgat ggaaaaataa
180agattctgtg tcataaatac cttattggag tgtagcata tttgacagaa ctggcaattt
240ttcaaattga gtgaagcctt atgtggacta taagttatag attatatact cttattgata
300acttgccctaa ttgctatgct gaaagagact gcaggagaaa taggcatcta tctctgcac
360tgttttcccc a

371

<210> 2101<211> 373<212> DNA<213> Homo sapien

tccgttgctg tgggtttcct tgttggtattt tcttggtctc tgctgctact gtaaaaacga
60aatgagtggt cctgctcagg ttccaatgat gtcccaaat ggttctgtgc ctcttatcta
120tggtcctcct ggatatgcc caccaggttat tgaagacaat ggtgttcgaa gagttgtcgt
180gggtccctcag gcaccagagt ttccacctgg tagtcacaca gttctccacc gttctccaca
240tctcctctta cctggtttca ttcctgtccc aactatgatg ccgctccac cagtcatat
300gtactcacc gtgactggag ctggagacat gacaacacag tatatgccac agtatcagtc
360ttcacaagtc tat

373

<210> 2102<211> 381<212> DNA<213> Homo sapien

cgttgctgtc gaactgccc acatcatctg cagtaggacg ggggagttgg agccttggtc
60aggccactct gctactgacc acagttttct catctctaaa aaggcgagcgt aacaatataa
120ttaccgtatg cagtccccca ggatacaggg tcaaaggaga ccacaaccat cgcagatgga
180agcccattgg gcagggccca ggacacagtg agcatacaat agacattagc tgctgtggtg
240tcttgatttc aagcccagtg cagatgcac tgacttacga aacttcagtg acacctgctc
300tgtgccagac actgaagatg gagcagtgaa cagcactgac ccagccatgc ctctgttgc
360ctgcaggcca gaagcaaggt c

381

<210> 2103<211> 362<212> DNA<213> Homo sapien

ggaccaagac aaagttaagt aaactctgga gcagtgtatg tgatgagtgt gtggcagggg
60gttttttatt ctgcgaaatt ttgtgtacgt ttgaagctac cacagaatag cagatattag
120aatgattcct gctgactcac cagtgtattc aactgttcac aggggtcagg caggaagcag
180atctcttgcc ctccctctga tccaggtcac ttagtccagc ccctgaaagc agtggatgga
240caaccatgcc accctctttc ttccaataca ccttattttg tatectgccc ttttgtgta
300gcattagatc atgagcattt tcctctgcta taaatgtccc ctcaaatatg ttgattcttg
360tg

362

<210> 2104<211> 375<212> DNA<213> Homo sapien

cgttgctgtc ggtcttgga gaaggaagcc ttctctttt ggcagaagtt tcaaatggtt
60cttatttctt gtctcactaa ggcagtaata gcatagtgat ggacctggtt gggtagtggg
120ggacagctga aaaggcagga gttttacttt tgtttgaaa gagaccacat cacatatagc
180atctcaccat tcacaaagtg tacatccacc gatactactc cactgttaga gccttcgtcc
240tcttatggca gtagtataag aaaccttcca ccaagtcaga gtgctctaac tgatgcaaaa
300cctaaccctg gaaataaaga ttttctctgga gcagtaagac ttcagactgt tgggtgagct
360attatctcaa ggtag

375

<210> 2105<211> 367<212> DNA<213> Homo sapien

ggcacgaggc cgatggagga ggggaggtct gagcagagtt cgggtgtcag gcgtaatggc
60cctcgtgccc tatgaggaga ccacggaatt tgggttgca aaattccaca agcctcttgc
120aactttttcc tttgcaaac acacgatcca gatccggcag gactggagac acctgggagt
180cgcagcggtg gtttgggatg cggccatcgt tctttccaca tacctggaga tgggagctgt
240ggagctcagg ggccgctctg ccgtggagct ggggtgctgg acggggctgg agggcataat
300ggctgccctg ctgggtgctc atgtgactat cacggatcga acagtagcat tagaatttct
360taaatcn

367

<210> 2106<211> 375<212> DNA<213> Homo sapien

acgggacgag ggctcttgcg ggtcccatgt tgccctgccct ccgaggagcc tcgccaggca
60gcagctgccg cctcatcagg cgagaccccc caccagggtg ggcaaaccga ggggtcccata
120ttcggagaca cctccaaatt ggccatgtcc acagacccca gccaaagccca ggtgccagta
180gggctggacc agtctgaagg ggccctccctt cctgctgctg ccagccctga aaggccccc
240atctgcagcc atggcatgga ccccaaccga ctgggctgcc ccgattgtgc ctgcaagacc
300cagggcccca gcacggggct ggactgacca cagcagggga cctgagccgt gttccccagt
360ctccatatgc agctn

375

<210> 2107<211> 370<212> DNA<213> Homo sapien

cagggtgtc ggaacactgg agttttgctt agctacctac tcacgccaa acatgaactg
60ccctctggca tagagtgggt taatgcgaaa ggaagagaca ttgtcagcct ggctcgagga
120tgcccgctt ctgggggaga gagttacctt tggcctaaat ctccctctgt gtctcttgaa
180gaacttacgg tatcttcctt atactagtgg atgttccttg agctgtgtgg tatgttctc
240aattgtgggt atttacaaga aatttcaaat tccctgcatt gttccagagc taaattcaac
300aataagtgt aattcaacaa atgctgacac gtgtacgcca aaatatgtta ctttcaattc
360aaagaccgtg

370

<210> 2108<211> 381<212> DNA<213> Homo sapien

cggtgtgtc ggcaggatga tgggcaggac agggagaggc tgacctactt ccagaacctg
60cctgagtctc tgacttccct cctggggctg atgaccacgg ccaacaaccc cgatgtgatg
120attcctgctt attccaagaa ccgggcctat gccatcttct tcatagcctt cactgtgata
180ggaagcctgt ttctgatgaa cctgctgaca gccatcatct acagtcagtt ccggggctac
240ctgattgacc cgccgaggcc cgagtaccag actccgtttc tgcagagcgc ccagttcctc
300ttcggccact actactttga ctacctgggg aaccttatcg acctggcaaa cctgggtgcc
360atttgctga tctctccacc g

381

<210> 2109<211> 377<212> DNA<213> Homo sapien

ggcagagct gaagcgttc ctgcttacca agttgcctcc atatctaatt ttttgtatca
60agagattcac taagaacaac ttctttgttg agaagaatcc aactattgtc aatttcccta
120ttacaaatgc ggatctgaga gaatacttgt ctgaagaagt acaagcagta cacaagaata
180ccacctatga cctcattgcc aacatcgtgc atgacggcga gccctccgag ggctcctacc
240ggatccacgt gcttcatcat gggacaggca aatgggtatga attacaagac ctccagggtga
300ctgacatcct tcccagatg atcacactgt cagaggctta cattcagatt tggaagaggc
360gagataatga tgaaacc

377

<210> 2110<211> 143<212> DNA<213> Homo sapien

tcaagttaca aaagctctgg aaccctgtgg cttcaaattc tttgggaagg gtgactgttg
60tttccctac acacagtga agccggaatg ggaatcgctg aggtctctgat ccacttctaa
120gaacagaagg aaagtgaagg cag

143

<210> 2111<211> 354<212> DNA<213> Homo sapien

tttcttgtgc tagaagacaa ccgaattgtt ttggctaaga aacactaatc tagctgaatt
60cccacacact caaaaatatt ttctacaaa ccccaaatca attgatgtct ccattctaca
120tggtgtgtc caatgtcagg aaactcacta tattccaaaa ttccatttgt tgtcgaagag
180aatcattata gagagacccc ttcatgtgac ctgcgacctg cgatatttaa tttcatttaa
240aagacagaca cacagggaaa tatatagctg agagatgctt tcattaatag agaatcctgg
300gaacccttga gtaatcacat ttgaccaac tctagtgaat agaccatttc cctt

354

<210> 2112<211> 332<212> DNA<213> Homo sapien

tacggctgcg agaaacgaca gaaggggaga ggagggctgc agatgatgac ttgggtttgc
60ctggattgag tctgggatgg ggatgagaca tcattgttaa atggcttctt agggagtagg
120aaagaggcta aaacctcaag agatagagga aattcaagta caggattaag ttgaacaaaa
180gtgataacca accccacaag gtgattttta tttcgttaacc tcagtgggga aatcttcggg
240gcagggcagt ggtcctcatt tggggtgatt tttgtctccc aaggacattc tggcaagtc

300tagaaatatt tttggttggtc acaactcggg gg

332

<210> 2113<211> 337<212> DNA<213> Homo sapien

ttttcggctg ccagattacg acagaaggga aacctttaaa gtctttgagt ttcgaaggac
60aaactttggg atttccttgg ttaactcaa agtgactgtg tgacagaagg ggtggattag
120ctatatcttt tgctgtattt ttataactaa agctacaatg attagggag ttgcaatgtc
180aatcaatat tctctcattt gtctaccaga aagcagtctt actagaaatg cacatacata
240agatttttga tttggttcca gttgacatt gatgtgtcaa gtaccaggca gtaaatgca
300gatccagtaa catttctttt tctttgtgg ctagctg

337

<210> 2114<211> 337<212> DNA<213> Homo sapien

tacggtgcga gaagacgaca gaagggataa acaaattttt ttaaataaat gagagatagc
60taagggtttt taaaaattat tatatctaca ttatgagaag aaggccttta ttgtccttgg
120aggtatgcat ttccagaccc cttacttaag agtccttggg atgtggttct gcttgacaga
180gttctgtatt agcacttggg taccagaggc agcaccacaa tcaagctgcc aggccagaga
240atgttttctt tccaaactca gctgccctct tgacttaat ctaattgggt agtgatagaa
300aagtacagtt gttactaaaa cactctttt cctggag

337

<210> 2115<211> 222<212> DNA<213> Homo sapien

ctgaaagttt tgaatttgat taaagttatt catgtcttgt taatctctgc aacatttga
60gttgcgttt tctcctttt tctttgaaga attttgcctg attttttcc tagtagttt
120caaagaacca gcttgtagct tgagtatac tgggtgttct tagctcatca tcggatttc
180tgctcttccc cgtccagctg cttaaagtaa tttttaagct ca

222

<210> 2116<211> 462<212> DNA<213> Homo sapien

cgttgctgct gaggatatgc tgttgggtga ggtggattt aatgttgata caagtatttt
60ggctctgagc tttggaagaa agttggcact gaggtgggaa gtcgagttta gttttgttag
120ttttggatgt gtttaagttt agatgctgat tcttcagaga agtctaagct ggagaactat
180atagagagtg gaaagataac aatagacatt gaaagccatg atacaggata aggtcatttg
240gagagaggat agactgcatt ccaacatgag attggttgac aaagagaaac caaccaaggt
300aattaagagg tgctccact gcacttgtag tcagaaggct gaggttaagat tgttagaggc
360cagcctgggc accacagggg gacccatct ctaaaattta gccaggaacc atggctcatg
420cctgtagccc caggaatttg ggaggctgag tggggaggat cg

462

<210> 2117<211> 454<212> DNA<213> Homo sapien

cattacgtca gcaacgcnnn cnnnnnnnn atcccatcga ctgcaattcc gttgctgtcg
60aaataaatga ctggatggct gcttctttt aagtttcaa ttgacattcc agacaagcgg
120tgctgagcc cgtgcctgtc ttcagatctt cacagcacag ttctgggaa ggtggagcca
180ccagcctctc cctgccctag cagatgctaa tccaccgtgc gtcctggcag aggttgaagg
240gggctcctca agtcccaggc ccagcttggg gtgggttcagc tactcgagag acatctgctg
300ciaatggatg agcagtcaac ctggacgcag gaaatcattt tttatttggg gcaaagaggc
360agaggaatgg agctcagagc ttttagagaa tatggggcag aaacaggaag gagtccagac
420ctgataacgg gaaccagcgg acagtgaacg cagt

454

<210> 2118<211> 442<212> DNA<213> Homo sapien

cgttgctgct ggatttacaa aagaatctac ttgactctgt ccctggagtg aaatccttag
60ggttggaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct
120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct
180tctcccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg ccggcctcaa atctttccat
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttggggnc gcttccccg
360ctcctccatc accctcagcc ttcacacttc aaagttcaag ttcaaagctg tcaagtttc
420ctaccagcaa agagccctaa ct

442

<210> 2119<211> 436<212> DNA<213> Homo sapien

cgttgctgct ggatttacaa aagaatctac ttgactctgt ccctggagtg aaatccttag

60ggttggaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaaagtct
120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct
180tcctccccc accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga
240gcaacattaa gggcaaaagcc atggagaaat gtgggagagg ccggcctcaa atctttccat
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttggggcg cttccccccg
360ctcctccatc accctcagcc tccacacttc aaagttcaag ttcaaagctg ttcaagtttc
420ctaccagcaa agagcc

436

<210> 2120<211> 434<212> DNA<213> Homo sapien

cgttgctgtc gaaagttatc aagtaatat gtctctgtg ttctgtttca tgtgatggag
60ggggtttcag tctgtgttct tggagccaaa gggttcctca aggggtgctc aagagtaatg
120gtttaagaaa agaggggcaa tgagagggag cgagggggaa ggcctagttg gtatttgagc
180aggggcctta agctccatat cccaccccc tttacccaaa acagccatt tttcttatgt
240atattggaat ttcaagtaag ctttcatggg gtgcagtggg gcggggagga atggatggga
300taaaaaaagt ggagattttg ctgctttaaa aaagttgaga actacttggt taggttttaa
360ggattttaat gtatttcatt ttggcaaat caactgccac aaagcagcta tgcataagtg
420taactgtgca gtgg

434

<210> 2121<211> 434<212> DNA<213> Homo sapien

tcgttnaatt cggcacgagg atgccaggg caccatggag ctatataagt tggttgaagt
60cgagtgggaa gaggacctag cccggaatcc ccctacagac tagtggcagt ggggacgctg
120gtgatatgag gaggcagagg cagcacccag gaaaaacagg gcagtggacc aatggacagc
180tccaccagct ccacatcttt ggaagctaga tttggggaga gagaagctct accccagact
240taatacccat tgaaatttca cctcaggtgt tgtgtcctgt gtctgggtta gtgtcccatg
300gaaggggaaa gccttcacgt cagaacccaa ccctatacct tttacttctt anaggtgtgt
360aaccacaggt gtcccagggg gctctgtgcc agttaagatt tttactttc aaggggcagg
420gcatactggg aaat

434

<210> 2122<211> 431<212> DNA<213> Homo sapien

tctcatgggc tgctggggac cagcaactcg aatagcatct gatttggggag ccaaaggcag
60ggctcctgag acagcagggg tgggtgcttc tctatctcac ctaagctact ggctacagcc
120actgccaacg ggcatgggct gaaaggggaa gacgagagcg ctggccttga caggagggggc
180ttcagcagct ccagcccaga gcactcgggc agcatcgact ccaccaaggc ccccagacc
240cccaggagtg gagcggccca tctctgcgat tctcaggaaa cgaactgttc caccgctggc
300cactccaaaa cgccgccaa gggagcagat tctaagacgg tgaagctgaa gtcccctgtc
360ctgagcaaca ccaccactga gctgcaagc accatgtctc ctccaccagc caaaaaactg
420gccctttctg g

431

<210> 2123<211> 423<212> DNA<213> Homo sapien

ggcagcagat tttcttaact tgaaatttc tactagccct ggtgaacttc tgtgcttaaa
60aaaaaaaaaa aaaaagggga aaatttctact ttaaaaactt ttgttaacag caggggaccc
120ttgttatttt caggtcccc acccccaaaa aaaggggggg gtttgcctcc tttaaagggg
180tgggaagccc taattttttt taaaaaaaca gtgccacac tttcccaaac caaaagggg
240ggaaagggcg gcccttttga aaaaatgcgg aaccctttaa taattttttc aaggggaacc
300aaaaaaattt aaaatgtatt aaaaagtga cccgcctccc ttgaaacct aaaaaaagt
360tttaattggtg actttttacc aaagcggggg gcctaaaacc taataacca cgcctttgga
420agn

423

<210> 2124<211> 170<212> DNA<213> Homo sapien

ngaangancg cgagaatgca gttccgccc agaaacctct gtagaggagc aggatgcaac
60cgacaggctg tggccggaca gctgctgcc agcacatgga gctgcacgc gcacagttg
120gccaaagaag ccccatact cccggtgaaa aagatggagt ctgctctgt

170

<210> 2125<211> 424<212> DNA<213> Homo sapien

cgatgctgtc gccctcagct cctgccttc aaacctacct tacagacctg cctggcctgc
60acctgagcca cctcttctt ccttctatt cccactaagg aggtgtccct gcttccttca

120tagtgggtcc tccccctgca cccggaaaca ggccctagag atgactccat ggggtgaagg
180accagagcct ccttgccctc ctctctgtct ctctctccct ctcttgcctt cccatgaagc
240tctgatgttt ccagtacaaa ataaacctcg ctccagtccta gtccttctcc agttccctccc
300ctcacaagca tggcccccca ctgctggctt tcttcccca ccttccccc tctccttggc
360cttctccact ctggcttcag tggcctccga tggctacact caaagcctgg gtgcactggc
420cttt

424

<210> 2126<211> 424<212> DNA<213> Homo sapien

ggcacgaggc cttcacagcc agaagagggt gtgaagggat aaacacttct gagagtgggt
60ggtagtagaa ctgagtattc aagactgaat gttaggcagg tagacagtga ctggttaggc
120tgagaaactt acaagtattt tcgttgagtt ctgcttccac tattatttac ttacaatgg
180atatgaagt cagatttcat cttatttact gaaggtggag aaaggatgtg gaagtagggg
240ttatgggctc tcaaaagtag atttagagag atttttttat cactgtttta tgatatagtt
300cactgagcac ttacatagat taacagttac aagtttccat aaatcagtta gaatatgact
360agcttcaggg aaggaatttt caacaactgc aatctttgat tgttttactg tgggaacttg
420cagg

424

<210> 2127<211> 423<212> DNA<213> Homo sapien

tctttgccct gatttccgtc ttttgaaaat ttatctggga tgtggacatc agtgggccag
60atgtacaaaa aggacctga actcttaaat tggaccagca aactgctgca gcgcaactct
120catgcagatt tacatttgac tgttggagca atgaaagtaa acgtgtatct cttgttcatt
180tttatagaac ttttgcatac tatattggat ttacctgcgg tgtgactagc tttaaagtgt
240tgtgtttata cagataagaa atgctatttc tttctggttc ctgcagccat tgaaaaacct
300ttttccttgc aaattataat gtttttgata gatttttata aactgtggga aaccaaacac
360aaagctgata acctttctta aaaacgaccc agtcacagta aagaagacac aagacggccg
420ggc

423

<210> 2128<211> 426<212> DNA<213> Homo sapien

ggcacgagca cataactgag ctcaagctct tgccaaacac caacaagcaa gatggttgca
60acctggcaac attgaatcca ccaccttggt gctccctctg gaagccccag caccgggggg
120cttttgggca cagggtcagt ggtagccatc ttagacactg acatttggct ttgtcgtcaa
180tttcatcacc ctcttgagg ttactgtgca gtttcaacca gcattttatc ctagttaggt
240cattatcagg agttgccata tcactctctc agtacctaac atttctcacc cacttcaaaa
300gctgttctga ctgccagctg gctgatctaa gctcctgagg aatgtctcct ctcaaaggaa
360tttttccctc caaaggcccc ctgaagtcct agttggcatt ggctggcac atgctttatg
420ttaggc

426

<210> 2129<211> 424<212> DNA<213> Homo sapien

ggcacgaggc cacattcact ctctctgttg cttttcttcc tctgggcaaa gaagggtctc
60cagtggcctt tctcactct gtagtggttg tggggatagg ttccatgcaa gaacaccttc
120ctctcccatc ccccaactta ccccatccca taccagttcc atccagggtc tgcttaactg
180ccaagagcag gtcttgaggt tcccttcacc tgcagagtcc ttttcatgac ctaggaggtc
240ttattcaaag ccttcattga cagaggagga aacaggccaa ggcaggacat ggctggacca
300tggtgataca gctctgtgtg attcaagttc tggcagagct tgtaaggcta gagcccaggt
360ctgccgacac cctgtgcttg ttgcacactt gatttgctaa ggctggagac aggcaccatt
420gacn

424

<210> 2130<211> 428<212> DNA<213> Homo sapien

ggaccggaca aaccganttt nttgaggagc ccatcgact caattccgtt gctgtcggtc
60ttacagagcc atgatagaac tgtggttagt gagttaaaat tcctggagaa gctactgttt
120ttctcctttg aaacttaggt ttctaaagtt gcacctaaag aatctgtcac attttctgtt
180gaatcatgga ttttgttttt gtttttaaca gacattcctt ctgataccga cttgaaaatt
240agcgtatggt gacctgtgtt taaaaaaaaa agtacaatac acctacatat agctatatag
300cttaatgaga ctccaccccc cccccccctt ttttttggat tgccgttgtg taaataaccg
360ggggctggcc acatttaagg cttaaaaaatt tttaaatttt gtggctgatg atagcaaaaa
420ccccctgtg

428

<210> 2131<211> 424<212> DNA<213> Homo sapien

cgttctttat gcggagcccg tcgaggtcga attccgttgc tgctgctccc acctcccccc
60ccaacatcct tgctcggacc cacttcactct ctgcgaggag gagaagtcca cagaaacctg
120gaatgcctgc gagaggagg aacaaaaggga ggactcacag attgacacgc tgggctggcg
180gctggccctc gaatctatag ggtctgggct tttaaacttc tttttcaaa gctccgcctc
240aaaataatgg ctagagaaag aagttttgga ggtggccgat ggaaggctga ggaattttcg
300agaaagggcc caggaccatc tggtagctag gacggagggg accaggtttt cttttttaa
360catccaccac caattgctct caacctgtac cgggtaagca tcagaccctg cgagtgggtg
420tttt

424

<210> 2132<211> 427<212> DNA<213> Homo sapien

ggcacgagcc gtgcagcgt cccgcgagac gctcacctgc gcccagggtg cctggctgct
60acaaacctat caatgagcca tgccccgccc tggacacccc cgccagcat ctgggcctcc
120acgcttggga cgtgggagc ggccaacaga gctatgtctg gagacatag ataaaccacc
180tcagccccc ccaagccgc gcaccgtag accagacccc aaggaccctg gccaccatgg
240gccagagagc attaccttca tctctggctc tgctgagcgg gcccttgagt cccccacctg
300ctgcctgctc tggcgacctt ggggtgaggga gtggtgccgg gctgccttct gcttcgccc
360ctgcccgggat tgcctccagc gctgtggagc ctgtgtgcgg ngatgcagcc cctgcctgtc
420tactgag

427

<210> 2133<211> 427<212> DNA<213> Homo sapien

cgagcttttt gcaggacctc gatcgattcg aattcggcac gagctaatta tgagttgatc
60ccgctcttga actctgtaga ctctgataat tgtggatcta tggttccatc ttttgctgat
120attttgtatg tggcaaatga tgaagaagcc agttatctca gatttcgaaa tagtatatgg
180aaaaatgaag aagagaaagt ggaaattttt catcctttgc gactagttcg ggatccactg
240tcacctgctg taagacagaa agaaactgtg aaaaatgacc tgccctgtaa tgaagctgca
300attagaaaaa tagctgcctt tgaaaatgag ctgacttttc ttcgctctca gattgcagca
360attgtggaaa tgcaggaaact gaaaaatagt acaaatctta gttcctttgg cttgagtgc
420gagcgt

427

<210> 2134<211> 427<212> DNA<213> Homo sapien

cgttgctgtc gcaatccttc agatcatcct tgggccagca caatattcct cagtaaactc
60cagacggagc tgagagaaaa acgcaagagt ctcttcatta accatcatcc tccaggacaa
120atagcaagga aatacagttc ctgctccacc attttcctag atgatagcac agtcagtcaa
180ccaaacctca agtatacaat taaatgtgtc gctcttgcaa tatattatca catcaaaaac
240agggaccag atggaaggat gctcttagat atttttgatg aaaatcttca ccctctttcg
300aaatccgaag tggcaccaga ttatgacaaa cacaaccag agcagaagca gatttaccgg
360ttcgttcgga cactgttcag tgctgtcag ctgacggctg aatgtgccat cgtcaccctg
420gtgtacc

427

<210> 2135<211> 429<212> DNA<213> Homo sapien

ggcacgaggg gcggcctcct gctctttgtg gatgaagcgg acgccttctt tcggaagcga
60gccaccgaga agataagcga ggacctcagg gccacactga acgccttctt gtaccgcagc
120ggccagcaca gcaacaagtt catgctggct ctggccagca accaaccaga gcagttcgac
180tgggccatca atgaccgcat caatgagatg gtccacttcg acctgccagg gcaggaggaa
240cgggagcgcc tggtgagaat gtattttgac aagtatgttc ttaagccggc cacagaagga
300aagcagcgcc tgaagctggc ccagtttgac tacgggagga agtgctcgga ggtcgctctg
360ctgacggagg gcatgtctgg ccgggagatc gctcaactgg ccgcgtcctt gcaggccacg
420cgctatgcc

429

<210> 2136<211> 417<212> DNA<213> Homo sapien

ggcacgagag agggcttaca aaatgtttcg taaatatttt atactgttta agtgttaaac
60accaaccttg tctttctttt gggttgagct tttttagaaa gtcgaagtga atgttggcca
120ggaaaatgga aaagccattg tataaatttt tttttgagc ggagtcttgc tctattggcc
180aggctggagt gtagtggcac catctccact taccacaact tgtgcctcct gggttcaagc

240gattctgctg cctcagcctc cegagtagct gggattgcag gtacccatca gcccattgcc
300agctaatttt gtatttttag tagagatggg gtttcacat gttggccagg ctgggcttga
360actcctgacc ctgtgatccg accaccttgg cctcccaaag tgctgggatt acagggtg
417

<210> 2137<211> 417<212> DNA<213> Homo sapien

ctggaatccc agctattagg gaggctgagg caggagaatt gtgtgaaccc aggaggcaca
60gggttgacagg agcctagatt gtgccactgc ctgggcaaca gtgagaacct gtctacaaaa
120aaaaaagggc atcgggattt ttttatacaa ccttaaacca ctttttttag ctttaggcgc
180ctgcggtggc ccttggatct gttctcaatc ctcagggggg gtggcagcat gggaccatag
240agagctgggc aaagtccact ttctctttgc tgacagtctc accttttctc actgggaagc
300tgacaggag cctttgggct ggttcagccc agaggcccct ggcttcctgc cttcctggaa
360ttctatgctc cccttctgaa tgggacccct ctactcctgc caagttagaa tggagca
417

<210> 2138<211> 419<212> DNA<213> Homo sapien

ggcacgagga gagaactgct ctgagatta gttctctcga actagtctcg agagcagaga
60ggggattttt ttttattctt ttttggtttt ttactatccc cttttttttt gctttgtttt
120tttttcttta tccccacccc ccgtgggtct ttttttttgg gggggggaaa aaaaacttct
180tttaataaga taacaaactt tttttttttt ttaaaaagat ccccgcccag ggtagggggg
240gggggttttc aaaaaaaaaa aaaaaaaccc ccccccttaa aaaaaccttt tcttccccgg
300caaaaaaaaa aaaaaaaaaa aacctccctt ttttggaata cggggggggg ggggggggaa
360ttttttttaa aaaaaaaaaa ttgtggggcg cccccctctt ttttttttaa aggggggggt
419

<210> 2139<211> 417<212> DNA<213> Homo sapien

ggcacgagac gaaaggaaac cttacagaat catgaagccc tcaaccatct gctactcagt
60tattcggggc tgacggcggc ttctagaaca tccagggtgt ctgcagatgc gagaactcat
120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct
180ctgaggccct gaatacagaa gggtcacttt cttagtggcc aaagagcagt tgttgacatt
240gatgtctaatt tattgaacac gaccagtcatt ttactgagc tgcggtgagg aaacactgac
300catagaagat caagccaaat gagggattgg caatttcctg attctttttg attaggattc
360cagatggggg cctcatttct acagcccccac acatttctat angccgtatc actggcc
417

<210> 2140<211> 418<212> DNA<213> Homo sapien

atcggcacga gggtagcttg gaccttgtgt gccaacgctt actcacggct gcgcctaaca
60gccttcactg cctgggctca ctcagggagc gcctcattat ttgggcagcc atggattcta
120tcccagcccc atcatcagtt caaggacaca acctgactga agatgcctga catcctgaga
180gttggcagaa cacaggaggc tattctgaag gagatgcacc atcacagcca cagaaggcac
240tagaggaggt gtcaatgtca gatccactgg caagccacca aagaccgtca ctcccaggat
300cctcacagga gcacatggcg cagtgcgaag tgagacgcca gacctatgtt ccaaacagag
360aacctgtgca tgcactgcct tcctctgcca gccagaaacg tgtggaccag aaacgttg
418

<210> 2141<211> 421<212> DNA<213> Homo sapien

ggcacgagcg ccactgcact ccagcctggg cgacagagtg agactctgtc tcanaaaaaa
60aaaaaaaaag gaaaaaaaaa ctttgggcca gccttgtccc aaaccaaaaa acttcaacct
120gggggggggg gcctttttta atttaatgaa aagtttgaa agggaaaaac ctttggaata
180gcccccacccg gcccctttcc caaaagaatt tgggggtttc aagggaacaa cttctggaata
240aattgaccag gaaaaaccgg ataaccacca ccagtttttt taaaccgggt tttggaacct
300aaaatttga aaagggaacc ccaggcccat aaaccaaaac cggggccttt aaaaaggaca
360aaatttccac cccagaaaag gtccaacca attccaggct ttctcgaaaa aaaaatttca
420t

421

<210> 2142<211> 422<212> DNA<213> Homo sapien

ggcacgagga aaaactcaaa agcttgtcac tgcagcttca gcaggatgga gataatggg
60acagcagcaa aagtactgag acaagtgact ttgaaaacat cgaatcacct ctcaatgaga
120gggactcttc agcatcagt gataatagag aacttgaaac gcatattcag acttctgac
180cagaaaattt tcagtctgaa gaacgatcag actcagatgt gaataatgac aggagtacaa
240gttcagtgga cagtgtatatt cttagtccca gtcatagcag tgatactttg tgcaatgcag

300acaatgctca gatccctttg gctaattggac ttgactctca cagtatcaca agtagtagaa
360gaacgaacgc aatgaaggg aaaaaagaaa catgggatac agcagaagaa gactctggaa
420cg

422

<210> 2143<211> 417<212> DNA<213> Homo sapien

ggcacgagaa taaattgtgg aactgaagtg gattaattca gcacattttt gtgacccctc
60tatttgcctt tggggatctc ggtatggctt tgtaagacat gagtaagcaa gtctctccct
120gacccaagag tgcaggatcat gttgtatatg gctctgtctg ttcccatagc ctggagggtat
180tcccgaagt ctttacctaa gttgcctcta ttccaccatc catcccatag aggagtgaagc
240agctcatggc tgagtggctc ccagcagtg aggaagcaga aatcattagg acccttgcaa
300aggaaaaacc ttctaaagag aaggctgtgc ggtgagcagc agccatgggc ccaagcctcg
360cccttctcac cagccacgtg gcgcctgctg ccgggacgca tccacgggta agggggtt

417

<210> 2144<211> 417<212> DNA<213> Homo sapien

ccctgagccc ggcgagcagg agaggaggtc ttccgggccc cgccctccga gcgcgcggga
60tttgagttg gccttgccag aattgtatga agatgaagt aagtgcaaat cttccaagtc
120taatagacct aaagccacag tcttcaagag cccacggaca ccacctcaac ggttttactc
180aagtgaacat gaatacagtg gattaaatat agttcgacct tcaactggga aaattgtgaa
240tgaacttttc aaagaggcaa gggaacatgg ggctgtccct ctgaatgaag ccacaagagc
300ttcaggtgat gataaatcta agtcatttac aggtggagga tacagattgg gtagttcttt
360ttgttaagcgg tctgaatata tctatggaga aaatcagctg caagatgttc agatttt

417

<210> 2145<211> 419<212> DNA<213> Homo sapien

ccgaattcac cccgaactgc tggccaaaaa gttagtacc aaaggcaagt cggaaacgat
60cctctcccca cccccagaga aaagaggcag gaaggccacg tcaggcaaga agggggggaa
120gaaatccaag gctgccaaac cacggacgtc caaaaagtcc aaaccaagg acagcgataa
180agaaggaaact tcaaattcca cctctgaaga tgggccaggg gatggattca ccattctgtc
240tttcaagagc cttgttctgg gacagaagct gtccttaacc cagagtgaac tcagccatat
300tggctccatg agagtggagg gcattgtcca cccaaccaca gccgaaattg acctcaaaga
360agatataggt aaagccttgg aaaaggctgg gggaaaagag ttcttggaac cggtaaagg

419

<210> 2146<211> 418<212> DNA<213> Homo sapien

tttgagatc cctcgattc gaattccgtt gctgtcggca acttgaccga agatttagaa
60gagaatttag aaagcacagt ctatgatgag tataaatttg gcaccaagaa agaccttgaa
120aatttagggc tcacccacct cattggatct ccttccctcc gggcatatat gcattgggtt
180ttcatggata taagactcta tcacaagggtg aaactgatgg taaatccatt tgcttatgaa
240gaatatagga aagataaaat acgacagaaa atagaagaaa cacgtgcaca gagagtccag
300ctaaagaaaa tgccaaaagt taacaaagag ctggcactta aattaatcga tggagaagag
360gagaagcaga aatctacatg gcaaaagaga gttacaacc ttctaactat tctcaccg

418

<210> 2147<211> 422<212> DNA<213> Homo sapien

ggcacgagga gacaaattaa ggtgaaact ctccaggctg cagttagaga aattttggcc
60ctaattggct atgtggatcc agtgaaagg agaggaatcc gaattctctc aattgatggt
120ggaggaacaa gggcggtggt tgctctccag accctacgaa aattagttga acttactcag
180aagccagttc atcagctctt tgattacatt tgtggtgtaa gcacaggtgc catattagct
240ttcatggttg ggttgtttca tatgcccttg gatgaatgtg aggaacttta tcgaaaatta
300ggatcagatg tattttcaca aaatgtcatt gttggaacag taaaaatgag ttggagccat
360gcattntatg acagtcaaac atgggaaaac attcttaagg ataggatggg atctgactg
420at

422

<210> 2148<211> 413<212> DNA<213> Homo sapien

gtccgatgct gtcgtgtctg tttaggcttt agtgcagag cacgagcttg gtcacgtgc
60aacctccgcc tccgtgggta aagagattct ctacagctcag tctcccaggt agctgggatt
120acaggcatgt gccaccacac cccgctaatt ttgtatttt tagtagagac ggggtttcac
180catgttggcc aggtggtct caaattcttg atctcaagt atctgtccg cccggcctcc
240caaagggtg ggttgggatt acaggcgtga gccaccgct gcgggtcagg acccagtttt

300ggctgctggc tcccagcacg ggactcg999 gatatacagt ggctgcacca aattgtaggt
360gtgggttcct ccaattccct taatgttagc gggatataca gatgctagaa caa

413

<210> 2149<211> 415<212> DNA<213> Homo sapien

ggcagcagcc agctacactg gaggtgagc caggagaatc acttgaacgt gggaggcaga
60gggtgcagtg agtggagatc gcaccactgc cctccagcct aggtgacaga atgagactct
120atctcaaaaa aaaaaaaaaa gggatttcgg gggggggggg ctcttatggg ggcccaaccc
180catggatacc cggtaaaatt ttaggaaaaa aacaaaggaa gaccccgccc ccaaaacctt
240tttggccccc ctcttctttt aaaacccagt tttttcagtt gtggaaaaaa gagctccctt
300tgagtcggtg gcaaacggtt tattttttta aagccccac ctttttttta aaaaattctt
360ttggaaacgg ccaggagtaa aaccaggggt ggaaataaga aaagggtctc ctaaa

415

<210> 2150<211> 411<212> DNA<213> Homo sapien

ggtgtcttga actctggcac tgtacagtga aagtgtctgt agttgtgtta gtttgcatta
60agcatgtgta acattgaagt atgtcatcca aataagaggc atatacattg aattgttttt
120aatctcttga caagttgact ctctgacccc cccccacc caagacattt taatagtaaa
180tagagagaga gagaagagtt aatgaacatg aggtagtggt ccactggcag gatgactttt
240caatagctca aatcaatttc agtgccttta tcacttgaat tattaactta atttgactct
300taatgtgtat atgttcttag attagaataa tgcaacttcg agtatgcttt aatatttcaa
360tattcaagtt acaaatgtat aaggcagtta gaaataatac agtcacatgt c

411

<210> 2151<211> 416<212> DNA<213> Homo sapien

cggtgctgtc ggcattgggt ttagatttc tgaacttag aggtcattta gctaaaatct
60acattttttt taacttttaa tatgattgaa atgatatttt acactgtatc acagatacag
120tattttatat aactttttgt aactgacctt atcttggcct tgagtcccat cctctctggt
180ggtagcgtaa aactgaaaat tccagtttgg gtcaatattt agtgaaagt ctactttctt
240ttcagagagt ttgtccccc cttttcttct tagatgtttt caaacacaca gccccatcct
300actcaaacca agtgaagcaa gaggggacaa ttctagaatt ggctgtgcca tgtaggtttt
360ttttagaatt tgaactgatt tccttcattt tgatgaggtg gcaactgtcc ccattg

416

<210> 2152<211> 411<212> DNA<213> Homo sapien

ggcagcaggt caccagggc ggagtgcagt ggcattggtca cagctcactg cagccttgac
60ttcctgggct caggtgattc tcccacctca gccttccaag tagctgggac tacaggcatg
120caccacattg cctggctaatt tttttgtgga gatgggggtt cgccatgttg tccaggtgt
180tcttgaactc ctgggtcag gcaatttgc tgcctcattc tccaaagcg ctgggattat
240aggcgtgagc cactgcgccc agccttactt atttttaaat cagatttttt aatcaactaa
300aacagctatg agttaagtac ctgccttgca aaaattttta gaagaagttc taggattatg
360aaattaagaa ttattttcct taactggaac agttctaana tttatctgat n

411

<210> 2153<211> 411<212> DNA<213> Homo sapien

tctaggatcc tatcgatagc aattccgttg ctgtcgggtt tagtagatat atctgatagt
60tcagtaatta attcacctag ttgtattagc tcatactcat acaccacaca cgctggccaa
120aaccatttgc agcaaatgtg ggcaacaaaa aaaatcagct ttcaactggg gagagccacc
180ttgcaaaaagt gattgttctt ggtaagtcct ctcaagaatt gaaagatata atgccttgcc
240tctgaacaat gcaaggaaag aggttgctg ctgaacatag acagtaaagt ctaaacattt
300tatagcctta gataatggtt tctttgggaa agaccttaa ataggagtta ctggggaatg
360tttattaata atcacgtagt gctgagaagg aggatgtctt aaaaaccaga c

411

<210> 2154<211> 415<212> DNA<213> Homo sapien

ngngggagca gacgcgtgag atcaaaagtgg ccgggaccaa agcggacagg gtccaacgtg
60ccagcactgc caagagaagg ccttttgtac tcaggttaaa taagaacatc ctgcaaggag
120tctgttcttt tatgcagcct aaagatcaag taataatcat tgacactgat actgagcatg
180tcgattttga agagactagc atttctggt aatgaagtgg agtatatac catatatttc
240tggtttcttg agagaagac taacctaaat aagtaggaac cttgaagaat catgttcttc
300ctaggaatta caaatcccc gaatccatgt ctaacataat ttctactggc ctctttgctt
360ctcatgcttt agtaccaggg cttctgaatt tgaaagtctt catgcaaatt gcccc

415

<210> 2155<211> 413<212> DNA<213> Homo sapien

ctgtcgaata gccccttctc acgacgtccc gcagcgtttt acaggtcatg catgaaggag
60tgggttgggtt ggcttgagtt ctttcttctc ctcacagtgt aaggcacgtt taatgcttgg
120aggggtgagaa gaagctgcag gaaggtggtt ggtatattgg aagaaatttt ttgtagtca
180ttaaaaaatg tagagcatat ctaatgatag agaaaaatgtt tattccacag taataagaat
240ttgcataac aggggtgatta taatcctgca aaataaaaaa ttatttggga taataaaaga
300ctgacaggaa aattttttaa gtgttaacat tggttatgtt tgggttgggt aggtctgggtg
360atttttagaa atttacaaca gagagaagtt gtggganaaa gtatacgtta gtt

413

<210> 2156<211> 414<212> DNA<213> Homo sapien

ggcacgagca gaagaacatc tattatatcc tattataaa tcttctctg ggaaaaggag
60tgggttctgg ctgaatacta tcttaggtc aaggagaaac aaaataaaaa ttagcttcca
120ggcagcctgt ttttaaagaa atgggactaa tgggagaagc tgtttgtcac tctaagagca
180tccaagccct gggcgtctg tgcactctg gctcctggg agatatactt gccttctaag
240aaggcaggcc aggtcttggg cacagacctg catttgttga ccttgacctc caactatagt
300gccttgcaag tgctcaacag tacatattgg aatgaagtcc ctatgagagc catttctggc
360catgttctat acctcaaagt gaggtggca ggtacagaga tgaactgtac acag

414

<210> 2157<211> 415<212> DNA<213> Homo sapien

cgccacgagc accggtctac cccagaactc tatggcatat atgtaattaa tgtgcagtgc
60caattctgtg agtatgatgt gtgcatggag ccagccaaaa ctctgattga atttcagaac
120tgggacactc tcttgttttg cattcaggaa ggagtgaata tgtttttaa gcaagaaaaa
180ttatttgggt aattatcagg tgaggatatt aaggaaattt gtgaagataa tggttttagt
240ttatttggat ctactcttca gaagcgtgtg acttccgatg agaggagcaa ttccaggaa
300gcattgtaata atattttaga ttcctatgag atgtttaatt tgcagtcaa agctgtgaaa
360agaaaaacta ctgcagaaaa cgtaaacaca cagagtctc gggattcaga cgcta

415

<210> 2158<211> 413<212> DNA<213> Homo sapien

tctatgttga ctgtattgtg ttagaagcac attatcactt cgtcacaatg cccgaccccc
60accccagtaa ttatccagac gcattggcca cctggcacac aggaatggt agagctggaa
120tgatgggact cctctcaca atgtattctt ccttctctc ttccccgacc atcctttgct
180attgtacatgg ggggtttcta ccaggtccag tagagcaca cagacttaa ctcaggcctt
240gaactgtgtt tgggtggtt tctttgattg aattattctc agaagggctg tgttgccagg
300ccctgtgggt tgatcatgtg accgcttctc tgacaaaatg tctgccgcca tctttattg
360caggctaatt gaagtgtcaa gaaatctggt ggggacttta agcctacttc ccn

413

<210> 2159<211> 416<212> DNA<213> Homo sapien

ctgcagccaa gttcttaggg ttccgtaagc gctgcattcc caggagcctc tgcctcagt
60agtgtcctct ggagccccca agcctcacc cctctgtgtc cactctgaag gactgcccg
120gacccctgga actgcaattg tctgtgagt tcttgagtga ccagagcctg gagactctac
180tggactgctt acctcaactc cctcagctga gctgctgca gctgagccag acgggactgt
240ccccgaaaag ccccttctc ctggccaaca ccttaagcct gtgtccacgg gttaaaaagg
300tgatctcag gtccctgcac catgcaactt tgcaactcag atccaacgag gaggaggaag
360gcgtgtgctg tgggttcaca ggctgcagcc tcagccagga gcacgtagag tactc

416

<210> 2160<211> 412<212> DNA<213> Homo sapien

ggcacgaggt ggcctatgcc tctacatcc caggatccat catctgggcc aagcaatag
60gttaccctct gtggccaggc atgataaat ctgatctga cttaggggaa tattttctt
120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag
180tttctcgtgc atggatccca gtcaacatgc taaagaactt ccaggagctg tccctggagc
240tatcagtcac ggaacgggtt aacttggtt gtttctggag ccgattcaac ggatctaaca
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tctgtcttag
360agaaaaagga gaaagaggaa gaggttgaaa aggaggaagg agagaaaaca gc

412

<210> 2161<211> 412<212> DNA<213> Homo sapien

cggttgctgtc gacagcgggtg gtctcatttc tggaaaatct cttgtgtttg caactatgga
60gtgctgatg ttcatttttag tacggcatat gccacatctc agtaccaagg tgtcagactc
120tccaagtcac atagccacta aaactcgact atcagaagaa agtgtcgtt tggggcagc
180cacagttacc atactctctg atttaccatc cctttgttca cccgctggat gtatgacaat
240cctgcccaca attctgttct taattgcaag aatattgaaa gacacagcaa taaagtctgc
300agataatcag gtctctccac cagtcaagtgc agctcttcaa gggattaaaa gtattgtgac
360actttcaatg gccaaaactg aggttggcgt tcaaaaacag tggacagctc tg

412

<210> 2162<211> 411<212> DNA<213> Homo sapien

ggcagagaa cctgtcccag acctacatgg ccatgtacct cacctactcg ctcacactgc
60ccaagaagtt catcgcgacc attcccctgg tgatgtacct cagcggcttc ttgtctcct
120tcctcatgaa gcccatcaac aagtgcattg ggaggaacat gacctacttc tcaggcctcc
180tggtgatcct ggcctttgcc gcctgggtgg cgctggcgga gggactgggt gtggccgtgt
240acgcagcggc tgtgctgctg ggtgctggct gtgccaccat cctcgtcacc tcgctggcca
300tgacggccga cctcatcggc cccacacaga acagcggagc gtctgtgtac ggctccatga
360gcttcttga taaggtggcc aatgggctgg cagtcatggc catccagagc c

411

<210> 2163<211> 415<212> DNA<213> Homo sapien

ggcaacagcc tgggttttag ccacaaagcc tttagtttga accccaaagc cccagatttg
60agcctgaaag cccggggttt gagtcccgaa gccttgggtt tgtgccccca agccctgagt
120ttgcaccag aagccctgaa tcagattctc agagccctga gtttgaatcc cagagcccta
180ggtatgaacc ccaaagccct ggctatgaac ctcgagagcc cgggtatgaa ccccgagcc
240ctggctatga atctgagagc tctagatag aatcccagaa cactgagctc aaaacccaaa
300gcccagaatt tgaagctcaa agttccaaat tccaggaagg tgcggagatg cttctgaacc
360ccgaggaaaa gagtcccttg aatatctccg taggagttca cccctggac tcctt

415

<210> 2164<211> 412<212> DNA<213> Homo sapien

cgcacgagaa aaagtgttac cacttcagca tcaggaagtg aaaatcttac tcttattcaa
60caggaagtgg atgcttttga agaattaagc aggcagcttt tcttggaac agctgatcta
120tatgtacca aggagagaat agaatactcc aaaaaccttc aggggaaata ttttaatttt
180cttggttact ttttctctat ttactgtgtt tggaaaattt tcatggctac catcaatatt
240gtttttgatc gaggttggaa aacggatcct gtcacaagag gcattgagat cactgtgaat
300tatctgggaa tccaatttga tgtgaagttt tgggtcccaac acatttcctt cattcttgtt
360ggaataatca tcgtcacatc catcagagga ttgtgatca ctcttaccaa gt

412

<210> 2165<211> 407<212> DNA<213> Homo sapien

ggcagcagga gatgtgatg atgctttata aggtctatca gccatgagag agcagcagtg
60gtggcccagg ccccgactgt aggagctgaa agacagggca ccacaccaca ttacaggagg
120gtgagaggaa cggatgcgga gaggttctga acttgtaggt caaaatgtga aattcgaaaag
180aatacccaaa aaacctaga aaattttgta aaggaaaata gatttattat taagcacatg
240aaaagatgcc caacatcagt agccatcagg gagatgccaa tcaaaaccac aatgagatac
300cacctcacac ctggggctgt cagaaaaaag gcagtaacaa gtattcgcaa ggatgtggag
360acactggaac tcttcacac tgttgatggg aatgtaaaat gngcag

407

<210> 2166<211> 405<212> DNA<213> Homo sapien

ggcaccagat cacatgtatg atttattttt aatatttgat aggaactagg ttctagtga
60atgatttgaa agcatagcag gatgtggctt tttaaattta tgaaactttc gaacagtagc
120aactgaaatt tgtcactttt ctgttacgca gagaatcaga ccttttgata atatttggga
180gggtaaaaga aatagccaa atatgaaact tttttgtcag cactacatac atctttttt
240tgcggggggc gggggggaca gagtctcact gtgtcactca gactggagta cagtgtgagc
300atctcggctc actgcaacct ccgctcctg ggttcaagcg attctcctgc ttcagcctcc
360tgagttagctg ggattacagg tgcacaccac cagcccggc taatn

405

<210> 2167<211> 408<212> DNA<213> Homo sapien

ncttctaatt ccgcacgagg agagagagag agtttagagtt tgagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agtgcgagag ttagacccag

120agagagaggg ggtgtttgct cttgattgcc cccgcccctc cctctctttg ggattttttt
180ttttcttttt tttccgagct cttgactttt tttttctgt tgcgcgcccc tttatcgttt
240tctctttttt tactctttac cttttttttt tttctgccc gcacactttt tttttatccc
300ttttttttct ctccctcctt ttttgggtgc ctctctttt ttatttatat atttgtgtgc
360acgattttgt gcgcgttttt tttttttttt tttgtcctct ctctctgt

408

<210> 2168<211> 408<212> DNA<213> Homo sapien

ggcacgaggg ggcgtagcag aggaggatag gtagagaagt accattttta ttatttgtga
60cttgtggctt ccttctctct ctctctctcc ctccacgtct ctctttgccc ctttttagaca
120gaaggtgcag aaaagggcat caaaaagagg ctggattttt taaaaggcag ctttccaact
180ttgcacacaa acaggttaaca ggaaggtaca gcaaaaatcc tctcatctga aacactgtca
240gcagaaacaa aacctgtaaa atgactaat cagctgcaca tattgatgct ctctgcaagt
300taccttttaag tgtttttttt cttatacttg aagttgcttt tacgatatta ttttgggtggc
360tttcttttct ctctttgatg ggcaatagag gaagtagata atgggatt

408

<210> 2169<211> 405<212> DNA<213> Homo sapien

ggcacgagct cagnannctt ctttcaactc tagtttttga ggtggggaca caggaggtcc
60agtgggacac agccactccc caaagagtaa ggagcttcca tgcttcattc cctggcataa
120aaagtgtca aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct
240gaaggaagcc aagaggatca ctgctgctcc tttttctag aggaaatgtt tgtctacgtg
300gtaagatag acctagccct ttaggttaag cgaactggtg tgttagtaac gtgtacaaag
360ttaaggttct tgtggtttac ccatctgaaa tatgtttcca tcaca

405

<210> 2170<211> 408<212> DNA<213> Homo sapien

cggtgtgtc ggcattttt atgtacacat gtctattcag actttatcct catgatttca
60gaaaaaatat agagaggggt ctagactgct taatagagga aagaagtatc ctggaaagct
120tgtaagaac gttctagagc cacaacatga ttgtaggcca agggcttgtt tttgtgacct
180tgatctaaga taatgccatg gttgattgta tgttgaaga atctttgatt ggaatttgga
240gtaataattaa ggtagtttgc cttttctgca gacattttta ggagctttt tgtgtgagtg
300gtggtggagt gtatagtttt gttgaacctg gctaaattct gaatatcttt ccaactaaaag
360cacaacaaat ctatttacag tgcctgaagc ctgggagagc cacatgat

408

<210> 2171<211> 406<212> DNA<213> Homo sapien

ggcacgagag tacttttgat aataattcac tctgtgcgat attcctgaat aagccatct
60caaaagtgtt ggatttttct cctcttaact ttcttaatat ttggacatgc cgctgtcgcc
120aaacttgggt attcatggaa tttctagtaa atgaaatacc tatactttga tactgaagac
180tgccaaatac ataggaattt tctttcttaa aaaacagtaa tgaagactat atctccttc
240ccagcactga atgttttact agcactgggt gctcaccatg caactgaaga aaatgtggaa
300actcaaaagg tcaggacaga cttccaagca cttgcaactg atgttactgt cttcaattt
360aataattaca catatttga tatttcacag aagcttttaa tatttc

406

<210> 2172<211> 405<212> DNA<213> Homo sapien

ggcacgagct cagggtctct acactggccc cattttactt tgggggtccaa ggacaggatg
60gtcaacaggg cagggtggac agcgtgccag cgccgcgcag gccacctcc ctgggtggat
120gcatcacact aaggaagtga gtgccaaagg gatttagtgg tgtggttctt tcaaaggag
180gtcagggtca atgggaatct gctcggacac tcaacatggg ggtgggtgca ctccctggag
240gaggaggaac acgttcaggg gattgtgagg tcttgacaaa gccacgtggg gcaccttggc
300ttcccgccag gaggtggaca cccagccaga ggcttggtc aaggtgacct caccttcacc
360atgggcttcc tgggtgcgcg ggctgagcg cagggtgttt tgtac

405

<210> 2173<211> 409<212> DNA<213> Homo sapien

cggtgtctggc gctttcattg taaaaataat atgtactttg caccacttaa aaaaaaaaaa
60agaaaaaaaa tcttgggggc ggttttctcc gatattccgc acttgttaga aacctttggt
120gtgttgggcc aacccccgc tgaaggcgg ggaaaaaag gctttttttg gaaaattggg
180ggggctgtgg ctttttttga acccattgta aggggcataa agcaggttac caccaccatg

240ggcattcttt tttggttaca ggttcggggg gggggggggg aaggtttcaa nattgcctac
300gggagaaaaa aagaaaaacc tcagcttgca aatttttggt cagagatggg atcgttcttt
360gtcgttgagg ggatttacat taaaaaatt cacgagatat tgctcatgg

409

<210> 2174<211> 410<212> DNA<213> Homo sapien

cgttgctgtc ggggtgtcca gggccgttct gcagggtgt tgtgtagact gcagacatcc
60gtacctcacc acagaccaca gatgacctcg tgtcatactg tgggctgatg agaggtagag
120catcatgcat cgaggcctga ggggtcaggg cgccctctct tggcctggag gaattgctcc
180taactagagt aagtttacac gaggggtcca gccagagctg cagagctgga accggagggt
240ccacagtcct tgcctgtca tggacctcct tcagagcacc tttctacaga ctggactgcc
300cagctccgtg ggggtggcatc tggtttctgg tgcattctg ccaagttatc gagctcctcc
360tcattgttca acattccatc ttcccgtttc tatcctcgac tccaaagtag

410

<210> 2175<211> 408<212> DNA<213> Homo sapien

cgttgctgtc gggggctgcc cagcacctgt catcctgctg ggatcagggt ttcttagtgc
60ttgagaagac tcaagagggc ctgtcccatg ccattgttgg ccttaagagc aagtattcc
120agaagaggag tgggcaccac tctcatccag agggccgtcc tgagaggcaa gtgaggctgt
180gtctctgtgcc tgggtcctcc caggtggcac ctgtcggctc tgggacctgg ttgaggcaag
240gatgccatc tggacatgga gccgacacag gtagtcaggg ggccagcggg acgcttacca
300acagctgtct tttcccaacc tcagaatagc attcctttcg aacaccacgg caagtagctg
360ctcgtctccc atcggaaggc agcactggat tccctggtcgg gtggcttn

408

<210> 2176<211> 406<212> DNA<213> Homo sapien

ggcagcaggc aagttatttc acttctctgg ctctgtgtac tcagttgtga aacagcgata
60atgtgtaact cagttttgcc ttaaagatta aatgatataa tgttttaaag tgcttagcac
120tgtatgagtc atagtattca atagggtggt gctgatgttg ctattatagc attactttt
180cagagatgaa ggtagaggcc agacatctta tttcaaatat cattgtaact ttaaaaatcc
240cagtaaatgt tgcctgttcg gtatacagtc aaaatctccc aaaacaaatc cacaaaacag
300aagtgtaggg tgggacacag gtgcatctgg tgttcgttaa gtatgagctt agatatggag
360tgtggtagaa aaagaatgaa gagaggataa tggaggaagg gaaaaa

406

<210> 2177<211> 406<212> DNA<213> Homo sapien

ggcagcagct ggggaagaaaa gcacaaagca acccgtaacta taatgggtccc catcttaatt
60tgaaagcgtt tgagaatctt ttaggacaag cactgacgaa ggcactcgaa gactccagct
120tcctgaaaaag aagtggcagg gacagtggct acggtgacat ctggtgtcct gaacgtggag
180aatttcttgc tctccaagg caccataaga gagaagattc ctttgaaagc ttggactctt
240tgggctcgag gtcattgaca agctgtcctc ctgatatac gttgagaggg gggcgtgaag
300gttttgaaag tgacacagat tcggaattta cattcaagat gcaggattat aataaagatg
360atatgtcgtg tcgaaggatt tcggctgttg agccaaagac tgcgtt

406

<210> 2178<211> 407<212> DNA<213> Homo sapien

cgttgctgtc ggacttggca cctctgtgt cctggggccc ctgccagct ggctgggcca
60cctgctgtc tggcttcacg ggcgggcccc aagacggagc tccaggcccc tatacagga
120gtgcgatccc acggcagtg gacgtcctgt cccgcgagcc cggcccttag tctgagtgg
180gtgacctct aactgtggac gccatgtctc atcctcctgg tgggtggcgg cggggcgggg
240ggggcgggca tgggtggcag cccacacaag cactgtcac ctgctgtcgc cactggccg
300accctggttg attggggaat gctgtcagcc ccgcagcccc tgtggccata tctggggccc
360gagcttgtgc tgggtcctgc tggagactgg ctgggttaag gctgccn

407

<210> 2179<211> 405<212> DNA<213> Homo sapien

cgttgctgtc ggttgcaggg ccttgagggc caaggccacc ctgtgtgggg tccctgttgg
60cagccaggct cctacacaaa caagtaatcc tgtttggcct ctaggtttt gcatatgacc
120tgacagctaa tttgggtgt aggggaagct ctgctggccc ttgctccttt gtatgttggg
180tgactttaat ggctggccac atacccttt ctcccagcta ctcatcact gacttgggtg
240agtttctaaga cagttcgac ttagaaaaga atgtgacaca tcaacattaa ctttctctga
300aaagaagagt ttgcctaaca tggctctaaa gaagcttggg atttataaga ctttctttaa

360taagatatag tggggggtttt tttgggtgga gggggggttg tttng
405

<210> 2180<211> 409<212> DNA<213> Homo sapien

ggcacgaggg aagctcccca gtgtcctgga ggctgtctgg ctggacgacc cctgtcctct
60ggaaccaagg gtgaccaagg ctggcgccac catggctctg ctgccgtcac ctctccctt
120tagcattgag cagccccgga ggggctagcc ctgaggctga cctgcccata ggccccacca
180tcgcgctgct tagtggcctc tccctgcagc ctgtcgttgc tgggggcggc atggccttct
240gtctgtcgag cgaggagccg cgccgcccgc tgcgaagcga catgagccac ttccaagcct
300cggaagccca gcaggtgcta cacaacaagc tcgaggtcat cctgggggac tccattcaga
360gggctgagta caaggacctg ctgtctcttc tccagaaaga ctactgct

409

<210> 2181<211> 408<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagaggtt tttttccccc cttgtgagag agcctctgtc tctctccccc cccccctct
180ctcttgtggg gctgcactg tgtcaccccc cccccctct tttttttttt tcccccccc
240cacacacact atctctcccc acagagagtc gcgcgcgctc tctctagggc tctctctctt
300ttctgggcgc tctaaaaact ccccccccc cctcaaaaaa aacacccccg cgagtctctc
360tcacaccccc accccccccc ccacatagtg tttctccccc tccccgcg

408

<210> 2182<211> 406<212> DNA<213> Homo sapien

ggcacgagac ggagctggct gccagccca aaggcccatg aggggatgca gttatgggct
60ctgtcgccgt ggattgttat tttgtgtcac taagtatcc ataaagcgc aacatgggaa
120agaaacggac aaagggaaaa actgttccaa tcgatgattc ctctgaaact ttagaacctg
180tgtgcagaca cattagaaaa ggattggaac aaggtaattt gaaaaaggct ttagtgaatg
240tggaatggaa tatctgccc gactgtaaga ctgacaataa agcgaagat aaagctgaag
300aagaaacaga agaaaagcct tcagtttggc tgtgtcttaa atgtggccat cacggctgtg
360gcagaaatc tcaggagcag catgccttga agcactatct gacgcn

406

<210> 2183<211> 409<212> DNA<213> Homo sapien

gtggggactg gaccgcccga cctgccatac ccgtttctta cggggctcgt cgccgccagt
60agccgcagcg gcgactctt gggcctcgcg ccggtatagg ccgggcccctg gggctgagcc
120ctcagggtgt gaccgagatt cccgacgaga gatactgagg ggaagagagg aaagaggggc
180gggctcctgg ctaggcattc tctcctgagc ggaatcctgc taagatggag aaggaggaga
240caacccggga gctgctgctg cccaactggc aaggtatttg ctccacggg ctgatcatcg
300cccagagggg cgacggcgctc tttgtgcagc aggtgacgca gaactcccct gcggcccga
360ctgggggtgt caaggagggg gaccagattg tgggtgccac catctactg

409

<210> 2184<211> 407<212> DNA<213> Homo sapien

ggcacgagga atctcgccca ccgcccagaa gtctgttga cagatttcca gaccctggat
60ggaagccagt acaacccggc caaacagcag ctagtgcgtt acgccaccag ctgttacgc
120tgttgcgc gactggcctc ggtgctgcta tactccgatt atgggatagg agaagtgcce
180gtggagcccc tggatgtccc cttacctcc acgatcaggc cagcttcccc cgtggccggg
240tctccaaagc agccgggtgc tggctactac cgtggcgctg tcgggtggcac gtttgaccgc
300ctgcacaacg ccacacaagg gatgatcagt gtgcggtgca tcttgccca ggagcagctt
360gtggtgggag tagcagacaa agatctgttg aagagcaaga tgctccc

407

<210> 2185<211> 408<212> DNA<213> Homo sapien

ggcacgaggg ctgttgcagc catgtgcat tgcagttgtg tgttgttcag aaagtatgga
60aatttcatcg ataagctaag actcttcacc aggggaggat ccggtggaat gggttatcct
120cgttttaggtg gagaagggtg aaaaggtggt gatgtctggg ttgtagccca caacagaatg
180actttaaaaa aacttaaaaga caggtatcct cggaaacggc ttgtggctgg agtaggagca
240aacagcaaaa ttagtgcact gaaaggctcc aaaggaaaag actgggaaat cctgtgcct
300gtgggtatct cagtaactga tgaaaatggt aaaattatag gagaactcag taaagaaaat
360gacagaatct tggtagctca aggaggtcct ggtggtaaat tacttacn

408

<210> 2186<211> 406<212> DNA<213> Homo sapien

ggcacgaggt ggcctatgcc tcctacatcc caggatccat catctgggcc aagcaatacg
60gttacccttg gtggccaggc atgatagaat ctgacccctga cttaggggaa tattttcttt
120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag
180ttttctcgtgc atggatccca gtcaacatgc taaagaactt ccaggagctg tccctggagc
240tatcagtcac ggaacgggtt aacttgtttg gtttctggag ccgattcaac ggatctaaca
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tctgcttag
360agaaaaagga gaaagaggaa gagttggaaa aggaggaagg agagan
406

<210> 2187<211> 410<212> DNA<213> Homo sapien

ggcacgaggg ctcctccatc ttctccacc tcatgacctg tgtgctgagc cttgggtgtg
60tcctaccctg gctgcaccgg ctcatccgca ggaatccctt gctctggctt cttcagtttc
120tcttccagac agacaccgcg atctacctcc tagcctattg gtctctgctg gccaccttgg
180cctgcttggt ggtgctgtac cagaatgcc aagcggtcatc ttccgagtc aagaagcacc
240aggccccac catcgcccca aagtatttcc acctcattgt ggtagccacc tacatcccag
300gtatcatctt tgaccggcca ctgctctatg tagccgccac tgtatgcctg gcggtcttca
360tcttccctga gtatgtgcgc tacttccgca tcaagcctt gggtcacact
410

<210> 2188<211> 405<212> DNA<213> Homo sapien

ggcacgagat cacttaaaag cgtaatggat gattttggaa ccattgagtc aacattttat
60gacattataa aaaataagaa gctaattctg gactttgtac tgaagcagga catgccatta
120ctaggggctg agaagagaaa gaggacaacg gtagccaaat atggtgatgt agatgatgag
180gactacatgt ggtaccaaca gaaacgctca gccggtgtta cggcaagagg cgtggagctt
240caagctgctg cagagagatt tgcacggtga tttgggcgaa cagatttcaa agctagcact
300ggttggtttt ttacatttcg aaatcggcat gcaattggga accgaaaagg atgtggggaa
360caagtcctaa gttcagtttc tgagaatgtt gagccatttc gacag
405

<210> 2189<211> 406<212> DNA<213> Homo sapien

cggtgctgtc ggcaacttgt acggatttgc ccttttacgt agacgggctt tacagttaga
60agagcttaca ttatgtaagg acacacctga taatgctcgg acctcaatg aactgggtgt
120tctctactat cttcaaaata acctggactc tatgcaatga aaagaaacag tatgataaag
180cagaagaact ttatgaaaga gctttagata ttccggagacg tgcattaagt cctgatcacc
240cttcttttgc atatacgng aagcatcttg ccatcttgta taagaaaatg gggaaacttg
300acaaagctgt acctttgtat gaattggctg ttgaaattcg acagaaatct tttggcccaa
360agcaccctag tgtagctact gccttgggtga acttatctgt tcttta
406

<210> 2190<211> 399<212> DNA<213> Homo sapien

cgctgctgtc ggcaacttaga ttttgagac atcaagcaga tgttttcaaa aatgattgtg
60atcaagaatc tgaattataa tattcacagt ctgctcccca acccagtgat gccactgta
120cagatgcgcc tccactaagg ggcataatgc acgctcgtct gaccctggaa tgaggatgta
180cgaagcaggg agagctccgg ttcagccctc acaatgggac tgaagcacga gagaaggctg
240ggcacaaggg ctgtgtggaa gtagggcttg tctccatgga tgacgtccag aaggatgtca
300tgaggaggaa tatcacacgt gttatacaca ttggagggaa cagagactgg cacaggacct
360cttcattgca ggaagatggt agtgtaggca ggtaacatt
399

<210> 2191<211> 404<212> DNA<213> Homo sapien

ggcacgagga agagttgtag gtactaatgt tgggtcaatt ttccaggtaa attaaccaag
60ccagagaagg gtaagttact tgctaaagtc atgcagtaac atcgtattct cattctcctt
120cctgcacctg tctctcctaa tagaatggca tctctcaat acagtttttt ttttatggct
180agcacatagc atgggtgcctt gcacatagtt gttgctcaaa aagatgtttt tgttcaacaa
240aaagtgaata aatcttttaa aaaggaataa tggcttcac catgtccata tggaaagcat
300agccagtaag gaaatgaatt tctggactaa ttcatataaa acaaaggggc aagtttagtg
360gtggagatat tggaaatttt tataggcatt tggtagagca caan
404

<210> 2192<211> 403<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagata gagagagaga gagagagaga gagagagaga

60gagagagaga gagagagaga gagagagaga gagagagtgt gtgtgtgtga gagagagaga
120gagagtttct ctctctctgt ggtatatata tacacccact ctctcttctt tctctctaga
180cacacaaagc ggctctctcg cgggttttac ccacgctctc tccccccag aatatactgc
240gcgctttccc ctctctgtta tatccgcgcg cgcgcgcacg tgggatatat tctctctctc
300tctctgcgcg cgcacacaca tatcccgctt gggtttctct ctctctctct cttcccgta
360gagagagagt gtgtctctat tttctctctc ttgcgcacgt tcc

403

<210> 2193<211> 404<212> DNA<213> Homo sapien

ctgcaagaga ggatttcagg aaaccttgta tgtgtggaat gaacctaaat ggtgcattaa
60aggaatttct ttgcctgaga aaaagtggc aacctgtgaa acggttgact ttggctgaa
120ggtgggagcc ggtgtgggag cttttactgc cgttttgctg gtggctctga cctgctactt
180ctggaaaaag aatcaaaaac tggatacaa atattccaag ttagtaatga cgactaactc
240aaaagagtgt gaactcccg ctgcagacag ttgtgctatc atggaaggag aagataatga
300agaggaagtt gtatattcca ataaacagtc actactagga aaactcaat ctttggcaac
360caaggaaaaa gaagaccatt ttgaatctgt tcaactgaaa accn

404

<210> 2194<211> 401<212> DNA<213> Homo sapien

ggcacgagct atttttttgg tgtgggtgga tggggggaga tgctaaaata ttgctgctag
60gatccagaaa taccacactg ttccatatat tggaaactgt tattggctag ccttatgcca
120gcttgcact gtcaatatat tctgttcccc ttggttacaa gcttaataata ctcttggtt
180tttggcgaaa ttgacttttt atcctattgt aatattttca attgataata gatgtcatta
240aatctactgc ttgtatagag acaggtgtac ccaaatttac tcttgacctt ttataaagc
300caggtaatgg agtctgttcc ttgcatctc aggaaggaat tgactttgct ttatgtatca
360gacctcatca attgcacct ctccatcatg ccttattttc c

401

<210> 2195<211> 398<212> DNA<213> Homo sapien

ggcacgaggg agtgacgtgt tgcaatctcc acctctgggg ctcaagcaat tgttgtgcct
60gagcctccc aatagctggg actacaggca cagccacta cgcccagcta gttttttgta
120tttttagtaga aacagggttt caccgtgttg ccaggggtg tctcgaatc ctgaactcag
180gagatcctcc cgtctcagcc tcccagggtg ctgggattac aggcgtgagc cactgcgccc
240agcctattca taattcttta tagggcttat taccaaagaa cagaaggctt tttaaaagtc
300atctattggt tagtgattat taaaaataag tcttctgatg aggattacat gtatctaact
360actgtaaaat agatttcatg tcagggtctac ataactag

398

<210> 2196<211> 404<212> DNA<213> Homo sapien

ggcacgaggg tgagtgcgct gcactgacct tttccaagc ctcagttctt gttctaggaa
60cttgaggcta tgtagccaga aaatgccctg cagtctgcag tgttctactg tgaactgctt
120gtgtgttggc aggtaccgg taagaatggt tgggtgcagc agggacgggg ccctctgaga
180cccatctcac aaagatgagt ggtgaaaatc tgatcacttg ctgcagccct ttagtttttt
240attaagccga tgctgagta gctttaatag ctattagcta tgtagtaga ctgagatctt
300ctgtagaag tctttagttc tgttttctt gggggactaa gaaattatat tgcaggcctg
360aattacagga aggggagaa caatggctag ggaatgagag ccan

404

<210> 2197<211> 399<212> DNA<213> Homo sapien

cggtgtgtgc ggccatggt gtgacaaact ctgaatacca gaggacacaa agggagagga
60aaaactggtc tatttttttt cccaggtac atgtggaaaa attttgcctgc actgaaaata
120acccttgctt ttctcttgc ccaggctgcc cttttcttgg gctgggggt gttgttctcc
180ttggtcagca ttcccttgg catctatgac tgggcctgct catcagtag tgacgaaggc
240actgaaacc cgcgagaaa aagaaacatc cctgttgtct gctcagtaa gtccccacac
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga
360tacttaaaat ggaataactt ttggttgca aaacagaga

399

<210> 2198<211> 399<212> DNA<213> Homo sapien

cggtgtgtgc ggaagaatc gcggtcgcag gagaaantct tttattttg atctgtttt
60ttgttttttt tttttttt tttttttt tttattaggg gggggccagc gcgtcctaaa
120aggggaccca ccccccccc aaaaatcccc cccgcgaaaa aaaaaccccc cccctacgc

180ccccccgtaa aaggacgcat acctcacgaa ccgggggggg gggggggccc ttttctcttt
240tttaaaaaagg ggggaaaaaa accccccccc ccgggggaaa gaaccccccc cccaaaacct
300tttgaaacccg gggggggccc caccggatta attcctcccc ggggggcttg ctttttcccc
360aaaagggggg ggaaaaagag ggcgcccccc cgaggggat
399

<210> 2199<211> 402<212> DNA<213> Homo sapien

cgttgctgtc ggggtgcatat cattaatgaa atcattaacc ttgtctctg gtccttccct
60tctaaaaaca gcagattata gaaggtgggc tggcaaaggg attttcaaag ggcaaaagtc
120tcatcatcat ctttccactc aaaatcctat tattctacat ttcactttgc aggggtccta
180gggacaggat tgcagggaca ggggacatgg gaggaagaca gaaaaattca aaaccagcag
240atgccactac ctggcaatga attgaaaatt aggggaaagc atctttggcg tgacctttta
300ttaagacaac agaaatttag aacattttac atgcttcttt gttaaatggg gaagcaaggg
360aatgaaagta tttattttta gagtcatag ttaactccat cn
402

<210> 2200<211> 398<212> DNA<213> Homo sapien

ggcacgagtg gaaccagcga ctgagttatt tcaaaacacc atgaaaataa gattagaaga
60cacaatcaa gaaaacttta caaggattga agggactggc acaggatctc tttctgggaa
120agccttgggt tcagtggtat atgtcaaaga aagtgatgga ctagaaatga cagatgtgga
180atgaagcaat ttgtacgtat taccaaagaa accaaaaact gcctttgact aaggggggtg
240ttgaaagaga acttaacctt attaggaaac cctgacaaaa tgatggaaga ctattgcctt
300attttgcact atttgtgaat catcttacac tgcatttttt tatgatgctt attcaaaagg
360cagttgcttt aggggtgaaaa agccttccaa gattcaan
398

<210> 2201<211> 401<212> DNA<213> Homo sapien

ggcacgagga gaagcagagg gagtggcatg cagggcccct gccatgggtg cgctcctcac
60cggaacaaaag cagcatgata aggactgcag cgggggagct ctggggagca gcttgtgtag
120acaagcgctg gctcgctgag ccttgcaagg cagaaatgac agtgcaagga ggaaatgcag
180ggaaactccc gaggtccaga gcccacctc ctaacaccat ggattcaaa tgctcaggga
240atttgcctct ccttgcccca ttectggcca gtttcacaat ctagctcgac agagcatgag
300gcccctgctt cttctgtcat tgttcaaagg tgggaagaga gcctggaaaa gaaccaggcc
360tgaaaaagaa ccagaaggag gctgggcaga accagaacaa n
401

<210> 2202<211> 404<212> DNA<213> Homo sapien

ggcncgnnnc actattttaca gagaaaccta caacagatgc ttgatgttgt agaaactggg
60acatatagat accaagcaaa attataagaa acctataagg tgttcaatac gcttgtgttt
120ccaaaattca ctgtacatga tcagtttggg gttcttgtac cacagttttt aactgaagga
180accagttgta acagtctcaa ttttaactaa aacttgaaga actaaaacaa caatgcaaac
240cttttcagcat tgtttggcca aacttgttaa aactgtaatg caagaaccaa atgcactgtg
300atgtggcacc aactaattag caagcatgaa ttttccacc aagagtgaag aaaggaaat
360ctaccatggc ttgaagttaa agagcagaac tctgactac catt
404

<210> 2203<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtaatacca ggtgcctgtc ctactgtgt gagtggttct ctgcccagac
60atgaggaggg atcctattgt tccccatagc taggcagcct aagagagtag gggaaagagc
120tggtctccaga tgaaaagggc accatctcca gctcttgaa gcagagaggg tggctccttg
180gattcccagt ggcagcagca accaacctgg cccttagtag tttctaagtt acaccatgtt
240aatggataaa ggaattactc agcttgaagg gatctgggtc ctttactctg gcctgatgtg
300tggggagaaa ggggcaaaaa agtttacgat ttggagttaa catcgaaatt tctgctttgt
360tggtcagggg ttacagcatt aatggacagg ttcacctga ccta
404

<210> 2204<211> 401<212> DNA<213> Homo sapien

ggcacgaggt aggttattt tcacgctttg tgcctcacta aatatcctct tgaaagggaa
60gtttctgtc accctgaaga ctgctggatc agttagttag acaaattcca agaagctggc
120ttggatgtca aattggctct gggctcatag agaggaatgg atttgttgc ctgaaaagga
180gcgataactc tagtttttaa acatttgtt tagttcagat aattactgcc cttattcatt
240gtgtccacct gagtcaaaaa gcattgctgc tgttgctgg tctaaggag gaggaccag

300gcatgtaacg gactgcatgc tggccagttg tgggtggtcag agcaagctgg aggccagcga
360ggcccttcag ggggtctttc aagggtctgc cttggggagc g

401

<210> 2205<211> 402<212> DNA<213> Homo sapien

cactacggct tacggctgac aaaagacggc agaagggact gatataattag ctctccttga
60gtcccaccc tcttctggtt ttccacaag tgtctgacat cacactatat tgcagtcctg
120atcactcagg ttttaattg ctgtgtaatc tgcgactatg ctctcccctg ataccatttt
180cagagagaca caaagccttc gtgcttttcc ttgtctctgc cacttggtgcc atctttcaga
240ttacatttag agtttgctgc tccttctctg gaattattgtt tgcagcgctt cccggataga
300tactctgagt atagatgtgc acctttccat ctctttgtca cctaatacag cttagtttcc
360tgagtctgga ttgtatctc caatccaggg ttctcagact tt

402

<210> 2206<211> 402<212> DNA<213> Homo sapien

ggcagcagga aaggcaggag gtggcggctg gcgacccgac ccccgcgcc cctgcccgcga
60ctcctggggc tcagccaggc cgaatggcg tactcatccc aagaagttgt cctaggtccc
120agacagcttt cagggtccct tgcggaggag gtgggtgggac cacagacaca tggagagaat
180ctggaactgt tctggtttct gaacttttcc ccgacaggac cccagacct ctgagtcac
240cccgcaggct taacgagact cggggagagt tagtgccgag gccagacact agtgcttttc
300aagaattttg gttaccaggc ctttcccag ccgagtgggg tgcggctctg ttcccagca
360ccccctttc gccggccagg ccgactccgc gttactgtcc cc

402

<210> 2207<211> 400<212> DNA<213> Homo sapien

tctggggcca cctgcaagcc ccattccatt cctacagatc tctcagccac ctgtaagtcc
60tttgtgaaga tgtgggtgac acagggggac aggaataccc atttctcaac ccagatccat
120gtctccactg ctctactct gggttgggat tcagggaagac aggcacagtc ctctctgttc
180atagaaacac ctgccagtgt caaggattcc agtcagggtg ctatcccaac tggtcagggg
240gagaagggca gaccattct caaagaccac catgtccaag gtctgacagc tccccactgg
300ctgccccac aggggttta ggtggtctg ggtcatgggg aagcgccct ctatcgctg
360gtctgtgttc tcctggattt ggtatctatg ttggtacgaa

400

<210> 2208<211> 400<212> DNA<213> Homo sapien

ggcagcagac aggaagccct gaaggttcaa aagaataaca aaagcaaagg ctattttctt
60ttttttttt ttctttcatt ccttcttcc tcggtttctt tctttcttcc ttctatttt
120ttttcttttt taaaagcgag cggctctgcg ggggcggttt gggggggcg ccgccgaggg
180gaggtegtct cgcctccgc ggcgcggtag actggacttg aactaagt ctccaatagc
240tgagattctc catcttaatc tacttgagg caagagcaga tgggtgttt cattatggat
300ggaggggatg atggtaacct tattatcaaa aagaggtttg tgtctgaggc aaaactagat
360gaacggccca aaaggaggca agaagaatgg gagaaagttn

400

<210> 2209<211> 398<212> DNA<213> Homo sapien

cgttgctgtc gcatatgtgt ccataatag agaacttgct aaatgattta tactacctt
60acatattgaa atacgcatag ccgtggaaga taatttagta gatctatatg tcccattatg
120gaacaatccc catggtgggg ggaaggttaa ggtgcagaac tgtatcatag atgttctctc
180tctctctctt ttttttggg aagcacatgt atgcttttat atacacagaa aaattctaga
240atggcaaca agatatcttt gcaatagttt ttttctggga ggggactcat ttaaaaaaat
300tctcccatat tgcttgtttt gttttgttaa agacatccat gtattctac ttgggttaag
360ccatgataac taaatatgat taaagttcag aacaataa

398

<210> 2210<211> 400<212> DNA<213> Homo sapien

nnnaccgagag actatgtgcc ttataccctt cgcagtgtgt ccagtcggcc gagagaacat
60ggtgttggga aaagaaagag cagctacaca ttgaaatagt tggaaacagg gtgtgtcag
120ggagggaagt atgctcagcc ctgccagcct gtacttatta acagtagagg ctgtaccac
180gagctggagt cagacggcag cactatggag gactattcac aggaggactg gtgaaaccac
240agtcaggatc tccatggcta tccaacagat caagaattgg atgaaatacc tggcacaag
300aagaacattag caataaaaca agagtctct gatgaagcac agagaagaga catcatgcag
360aagattgtac agattttgga atcggtacag atgaaatggg

400

<210> 2211<211> 398<212> DNA<213> Homo sapien

ggcagcagggg actatcttga tgatgtcgtc tcattatcag tgcttaggta cttttgatta
60cctgtgtttc agtattaggg acactttagt acttcagatc ctgcaaatac ttttgcagat
120gaagtatgta tgcattgtac taagttaaac ttagaacacg aacctcattc agttattata
180atggattttt gcaaactact gcaaatagca aatcaatgcc aatgttaaac aaagaggaaa
240acgctgtgtg gactttgttc tcttgaccgc gtatttcagg aacatctgct tgccatcccc
300acagctcttt aaaactggct attatgtgtg cctttcattc ttacatttct aatcatactg
360caggaaaaac attggattca gcttagactg aagaaaaa

398

<210> 2212<211> 399<212> DNA<213> Homo sapien

cgctgctgtc gcgaaaccgc ttgagcatcc tctgtgaaa aggaatgaag aggctcaagt
60gcatgacaag cttaactctg gaatggtttc caacatggaa ggcacagcag ggggagagag
120accttctgtg gtaaacgggg actctggaaa gtcagggtgt gtgggtgatc cccgtgagcc
180attaagctgc ctgcaggagg gctctggctg ccaccaaca acagagagct ttgagaaaag
240cgtgcgagag gatgcctcac ctctgcccc tgtctgttgc tgcaacaag atgctctcat
300cctccagcgt ggccttcac atgaagacgg cagccagcac atcggcctcc tgcacctg
360ggacagaggg cctgaccatg agtacgtgt ggtcgaggg

399

<210> 2213<211> 398<212> DNA<213> Homo sapien

ggcagcagat tttaaatagt atatttccag ggataggtt tctgttctc cgaattccag
60ctgaggccaa tcttttagca gatcatgtct ctgtactcgt aatcttgtgt ggagcccttg
120tctttctctac tattgttaca atagtggta aattgatgtt cagtagtgtt aactctaatt
180tacaaggagc aatcttgggt ggaattgcgt ttgttgccat aaaaggagca tttaaagttt
240acttcaaaac gcagcaatat ttacgacagg cacaccgcaa aattctgaat tatccagaac
300aagaagaagc ataaaactga cttctggttg ttctgcagtt ctctcactct tatgaatctg
360ttgtgttgtt ttgattccat cattaatgca cttgtgga

398

<210> 2214<211> 404<212> DNA<213> Homo sapien

cgttgctgtc gaagagccac cagctggaat ctgcatgtta ggtggccttt ctctgcagga
60ggtgacctcc ttggctatgg aggaatccca agaagcaaaa tcattgcacc agcccttggg
120gatttgcaca gacagaacat ctgacccaaa tgtgtctacac agtggggagg aaggagacac
180acagctaccta aagggccagc tccccctctc ctctcagtc cagatcgagg gccaccccat
240gtccctccct ttgcaacctc ctccgggtcc atgttcccc tcggaccaag gtccaagtcc
300ctggggcctg ctggagtccc ttgtgtgtcc caaggatgaa gccaagagcc cagccctga
360gacctcagac ctggagcagc ccacagaact ggattctctt ttcn

404

<210> 2215<211> 404<212> DNA<213> Homo sapien

gacggtgggg aagatggcgt accagagctt gcggctggag tacctgcaga tcccaccggt
60cagccgcgcc tacaccactg cctgcgtcct caccaccgcc gccgtggtga gcagctgcag
120tgccaccttc tcattatctg ggctggatat gactgggtct tcaggaaact ggggtttggg
180cctccgggag gccagagggt gctgggtccc gggatgggtg gaggcgtaca gggattactc
240tggggttcga gttggcgcca agaattgctta tccagtgcg cgagaaggga gtgctgcttc
300atgggggggtc agcagttgga attgatcaca ctttttcagg tgtacttcaa tctgaatta
360atctttaaac actctcacat atggagatta atcaccaact tctc

404

<210> 2216<211> 401<212> DNA<213> Homo sapien

cgttgctgtc gggaggccaa gagcaccatt tggtgcacc ccgtcaccgg cgaggcgggtg
60gtcaccggac accggcgga gagcacagat ttgcctactg gctgggaaga agcatatact
120tttgaagggt caagatacta tataaacat aatgaaagga aagtgcctg caaacatcca
180gtcacaggac aaccatcaca ggacaattgt atttttagt tgaatgaaca gactgttgca
240accatgacat ctgaagaaaa gaaggaaagg ccaataagta tgataaatga agcttctaac
300tataacgtga ctccagatta tgcagtgcac ccaatgagcc ctgtaggcag aacttcacga
360gcttcaaaaa aagttcataa ttttggaagg aggtcaaatt c

401

<210> 2217<211> 401<212> DNA<213> Homo sapien

gcctgatggg atatattcag tcatggcgct cgaactttcc agaaaacctt gctcagaagc
60ttccaaacct tgtggaacta tacctgcact caaataacat agttgtggtt ccggaagcca
120ttgggtctct tgtaaaactc caatgtctgg atcttagtga caatgcctta gaaattgttt
180gcccagaaat tggctgctcg agagctttac gtcattctcg attagctaata aaccaactgc
240aattcctacc tccagtacct cactgtggac cgaatcgctc tatggtatgt gccgcgccat
300ctctgccagc tgcacagcct caatgagctc tccatggctg gaaaccgtct tgcatttttg
360ccacttgatt taggtcgatc tgcagaacta cagtatgtat n

401

<210> 2218<211> 399<212> DNA<213> Homo sapien

ggcagcaggg cactgtgctc ctgttctggc ttgtgctttt tcccatgatg ggcagatgct
60agtctcaggg tcagtggata agtctgtcat agtatatgat actaatactg agaataact
120tcacacattg actcagcaca ccaggtatgt cacaacttgt gcttttgac ctaataacct
180tttacttctt actgggtcaa tggacaaaac agtgaacatc tggcaatttg acctggaac
240actttgcaa gcaaggagca cagaacatca gctgaagcaa ttaccgaag attggtcaga
300ggaggatgct tcaacatggc ttgtgacaca agatttaaaa gatcttggtg gtattttcaa
360gatgaataac attgatggaa aagaactgtt gaatcttac

399

<210> 2219<211> 401<212> DNA<213> Homo sapien

ggcagcagat gcattgttg tgttttggga tgcaaggatg aattctcaga atttatctac
60aactaaagac tcaacttggtg catattcaga gacacatagt gatgatgtca ctcaagtacg
120tttccatccc agcaatccca acatggtagt ctccaggttca tctgatggcc tggtaaatgt
180atttgatatt aatattgata atgaggagga tgcactggtt acaacctgta actcaatttc
240atcagtaagc tgtattggtt ggtctgggaa aggttataaa cagatttact gcacacaca
300tgatgaagga ttttattggt gggatcttaa tcatctggac actgatgaac cagttacacg
360tttgaacatc caggatgtca gagaagtagt taacatgaaa g

401

<210> 2220<211> 404<212> DNA<213> Homo sapien

ggcagcagag aacagagagc agtgtagat gagcatggaa cagtggacga ggactctcct
60gtgctcacc aagaccgaga ctgggagggc tattggcggc tactctttaa aaagatatct
120tttagaggaca ttcaagcttt tgaaaagaca tacaagggtt cggaagaaga gctggctgat
180attaagcagg cctatctgga cttcaagggt gacatggatc agatcatgga gtctgtgctt
240tgcgtgcagt acacagagga acccaggata aggaatatca ttcagcaagc tattgacgcc
300ggagaggtcc cctcctataa tgcctttgtc aaagaatcga aacaaaagat gaatgcaagg
360aaaaggaggg ctccaggaaga ggccaaagaa gcagaaatga gcag

404

<210> 2221<211> 404<212> DNA<213> Homo sapien

ggcagcagga tgaccccaac gatccatact aggagcatgg attgatactg ccaaatggaa
60acattaactg gaactgccc tgccttgggg gaatggccag cggctcctgt ggagaacagt
120ttaagtcagc cttttcctgc ttccactata gcacggagga gatcaagggg tcagactgtg
180tagaccagtt ccgggccatg cagggaatgca tgcagaaata cccagacctc tatcccgaag
240aggatgagga tgaggaagag gaaagagaga agaagccagc aaaacaagca gaagaaacag
300ctcccattga ggccactgca accaaagaag aggagggatc aagttaatga aggccacaag
360gcactgggca ccagtccttt tggagtggac cttttgcaaa aggg

404

<210> 2222<211> 397<212> DNA<213> Homo sapien

ggcagcagac tggatgtata gcagttttc caagaagctt ggctcagaag ggtagcagac
60aggatgacaa atggaaagag aaatgaggtc actggaggat tgtaaagag tacagcatgt
120ttgagtgtca cttgaaagg tccagtggag aagctgaaga agtaggtaaa ggtaagaata
180accaagggac agaagtcctg gagcagggag gagggaatgg gattctttaa aacctcttca
240tcaagaaact aggaaaaaaa accaaagctg taccatctca gatttcagag aaaggaatt
300tagaaggaag taatataagc aaagaacaac aatattctgt gactgttttt aataataact
360aggaaaattc ctagtgcagt taactctgaa caaaatt

397

<210> 2223<211> 396<212> DNA<213> Homo sapien

cgttgctgtc gggggagggg gaggagcatt tgttatgtgg ggcagtcaga aggaacatgt
60aaagactcaa aagtgtgtaa tgtttcatgg aagccatcaa caaagcggat gactttcttt

120atatttttttga gacagagtca aactctgttg ctcaggctgg agtgaaaaac atatacctca
180tctcactgct gactcagaca tttgtgtcaa agagaatata ctgcctaata cctccgagcg
240agtcttatta cagatgagca ccaccctac ccagttgttg tcattataga catcacttac
300gcccataac ccccttccag tattgtttgg aaaaaattgt tcttattctg tgaccaccct
360cttggaattt atagtgtcgg gagacatccg cctgcg

396

<210> 2224<211> 395<212> DNA<213> Homo sapien

gatcacttga gcctgggagg tcaaggctgc agtgagctgt gattgcatca ctgtactcca
60gcttgggtga cagagcaaga cctgtctca aaaaaaaaaa aaaaaaaaaa ttttttggg
120cccttttttt cttaaaacc aaaattaaaa aaacccttgg gaagtttggc ccaccccccc
180ccaaaaggcc gggaaaaaaa ggctttttt ggaaaatttg ggaggctttt ttttttttt
240aaccccttaa aaccggaaa aaaaaagtta acaacaaaaa ttggtttttt ttttttttt
300cgggtccggg gggggggggg aagttttccc nccctcctgc tgcgtagncg aacactctac
360ttcctttgca cccttaaacc acaacttgag cgtcg

395

<210> 2225<211> 392<212> DNA<213> Homo sapien

acctcctggg aaggagctac taccaaatac taaagctact ttttcttact cgttcgtagt
60actgtcgaga atcagcttat cttcaccctc ttagactata tgtgaaaagg cacaatagga
120agtttgggca cattagagac aaatgtgcta tactttacgg cttagcctgc gcccggttct
180tattttatcgt caactgtgga caaatgatt ttgtttcatg agacaaaggg ggaccaccaa
240cttctacggg aatgtctgcc ttttctaga tagactgtct attacataac catatgtagt
300ttatttttaa ggagaattac atatttttct tcacatgtca ctgtagaag taaatcccaa
360tagtaagatt tccctaaaca agtattttct tg

392

<210> 2226<211> 397<212> DNA<213> Homo sapien

ggcanaagct cagtatgtct ctttcaactc tagtttttga ggcggggaca caggaggctc
60agtgggacac agccactccc caaagagtaa ggagcttcca tgcttcattc cctggcataa
120aaagtgtcga aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct
180tttctggaga acctagact tcccttacta cagggacttg catgtectaa agcactggct
240gaaggaagcc aagaggatca ctgctgtccc tttttctag aggaaatgtt tgtctacgtg
300gtaagatatg acctatccct ttaggttaag cgaactggta tgttagtaac gggtagaaag
360ttaagggtct tgtggtttac ccactgaaa tatgtta

397

<210> 2227<211> 392<212> DNA<213> Homo sapien

cgttgtgtc ggtgaaattc tgtattgatt tttctctaag gagaatatga catgcttgtg
60cttaccaga tcaagtgcag tgaggggcag tttgtttgc ctgaataaac gtaaaggaca
120agtaaaacaat ttgatgataa gctacagttt ttcttcaaaa gtaaatattt tatttatgag
180ctgatagttg gcttttgaat ccattatttc atgctttttt ttaaaaaaaa aaaatatcat
240aataactttt tgaagaggca tttgtccccg atataaattc ttttactttt attcactggg
300tgactaaat aatgagaacc ttgggtggat tttgtttac ttccaaaaaa caagggttagg
360gatgttttta ttcccctacc ttgaagaaag tg

392

<210> 2228<211> 395<212> DNA<213> Homo sapien

ggcagagaa tggatctgaa ttgacaaat agcatgccac actaatacta cagtcaacaa
60cagcccagag aacaattact atgtcagctg gaggtatat tatgattcta aattcttaaa
120gggttttttt cctccataaa tcaaaaatta cttatgttaa accaaaaatt agttgggtatt
180tatggtcatg atcttaattc tcaagtttag cttaatcttg tatttcattg ttgtcttct
240aatatgacag cttaaattca gatttttaag tgactcagca aaataggagg agtgcccaa
300tttatttagt ttgtacatat tgaagaaaac ctttttgttc cttcagattt agaaagaaac
360agtttaacca tttatttctt ggtattctgc tgctg

395

<210> 2229<211> 393<212> DNA<213> Homo sapien

ggcagagat tatatggacc ccctaagtct tattttctag taaactgatg atactggaaa
60ttcttttact tgacatgcac aagaataagc tggaggcgat tatttccttt catcacagag
120tcatgaattg ttttaaatgc ttcttaaggt ctggctttat aaccggttaa aatcaactat
180gatgatttta gataaccaag taggtattat aatacaaac aattttaagt gtaagaaact

240atagtataat caaagtaaat tcagttattg tatttgtggt gttgccttgc cttgcatgat
300gctgggggaa aaagagaaaa gaaatgggtt tcttttggta ctttcattca gtgcacaggg
360aaaaaagcat gtattgtgcc accggaagac aag

393

<210> 2230<211> 159<212> DNA<213> Homo sapien

acaaacgatt tctgttcatt cttaagcat ctatatttca tttgttgc acatatgcat
60atgagcccat ttaagatatt tgcataact tgatagaaac cataaagggtg tagcagttaa
120gtccagccac atttgggttaa tcagtgtttg atataattg

159

<210> 2231<211> 394<212> DNA<213> Homo sapien

cgttgctgtc ggccatgggt gtgacaaact ctgaatacca gaggacacaa agggagagga
60aaaactgttc tatttttttt cccaggtac atgtggaaaa attttgcctgc actgaaaata
120acccttgctt tctcttgcct ccaggctgcc cttttcttgg gcctgggggt gttgttctcc
180ttggtcagca ttcccttgggt catctatgac tgggcctgct catcgagtag tgacgaaggc
240cactgaaacc cgccgagaaa aagaaacatc cctgttgcct gctcagacaa gtccccacac
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga
360tacptaaaat ggaataactt tttgatgca aaac

394

<210> 2232<211> 395<212> DNA<213> Homo sapien

ggcacgagag actctgtctc aaaattaagt atctctaaat acaggattat aatttctgct
60tgagtatgga gttaactacc ttgtatttag aaagatttca gattcattcc atctccttag
120ttttctttta aggggaccca tctgtgataa aaatatagct tagtgctaaa atcagtgtaa
180cttatacatg gctaaaaatg tttctacaaa ttagagtttg tcaattattc catttgtacc
240taagagaaaa ataggctcag ttagaaaagg actccctggc caggcgagc gacttacgcc
300tgtaattctca gcactttggg aggccaaagg aggcagatca cgaggtcagg agttcgagac
360catcttggcc aacatggtga aacccctct ctact

395

<210> 2233<211> 393<212> DNA<213> Homo sapien

cgctgctgtc ggggtcaccc tgcataaaa cacatggagc agactgctga gccagctcag
60gggaagcggg gagacccag gagtgacggt gagaatgcaa ctacttgc attacacagg
120atatggcaga tcggtattga ccaacaaat ggggaggaac tgatccagat gtggaatgtg
180acagagaatc cttccctact gccatggaac atttataaaa ataatacat gttaatcaat
240gaagaaagg agccacacat ttaaaaaagc agaaatcgta caggccactt cctcagataa
300ccattctaac taggtcaaa ttatacatca ggactgaaac cacaacata taggaaataa
360gataaagtct tttggttttt ttgagacgga gtt

393

<210> 2234<211> 391<212> DNA<213> Homo sapien

gaaatctgtt ctttcacatt gcaaaacaga gtctgagagc aagaattcac attcgaaaac
60ttcaggtgaa aagaaccacg tggaaaaaga taaaatgaat acattggaca ttttgagaat
120ggagactaca gagagagaga atccagaagc tgaaactgta tctgtactcc tcaacacatg
180gaagatcaat cgcgtaaaga ttttgaagag gaagatggca tattacagcc tgagaaaaat
240gattcttttc aaaatatgca gccagatgag cccaagggtc ttagtgaatg tgtaagcgtt
300caagagaata ataaggcggg tgaacttaac caagtcccaa ttctaaggac tcgatttcag
360aaaccaaagc caaatatagg aagaggaact g

391

<210> 2235<211> 396<212> DNA<213> Homo sapien

ggcacgagag agagagagag agagagagag agagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag tctctcactc ttgcgcgtgt atttatacac
120acacacacgc gtgaagacac ctctctgtgt gcgcgcactc cccctctt tgtttcgtga
180gaactgtgtt ctttttgcga tatgtgtggc gctctatctc tttgtttacc cctatatcc
240cccgtcttac acgttttctg gcgcgcgtgt gcattttttt tgtgacgcag gcacgggggg
300gtgtgtgaca tttttaacc cncacgccc cccctcgtca cgatgttctt tctttctttt
360tcgtccttgg ctttttgcct atagtgttt cccact

396

<210> 2236<211> 392<212> DNA<213> Homo sapien

ggcacgaggg ctgacgtgga ctgtccacag tgttcattgt ctggagtcag ggacggccgc

60acctgectcc gccggctcca gtgtgcgggg agcctctgcc tgagtgtgca ccaggcccat
120gtttattgac cacagtctga gcggggggga aggggactgc ggtggacacc agaggaagct
180gtttcctgtt gtgatgttgg acctgtagta ggacatggtg atttgtaaatt tccatggga
240agccatgatg gcctagcatg gagggaaatct gtccccaggc cctgcctgga agttgagggg
300aagtttagac atctgcagag aggcaggcag cccagcccag gggacccgtt cctcttgaac
360cagtcattgc ctgtggcaaa tgtgtgtatg aa

392

<210> 2237<211> 395<212> DNA<213> Homo sapien

ttgataaaaa gtcaaagatt agcaaagata tatgtctatg caataacaca tatatgaagc
60acagaagcaa aagctggact cagaacaaaa atagcaagtt gagccttaaa cacactgagt
120ttgccttggg agtagaatgt ccaggcagag aagtccatca ggcaattgaa aatgtgaatc
180tgcaacttgt aaaaaatgta ttattcagcc tgggctgtca tacaatagac cacagactgg
240ttggcttaaa caacaaaaat gtatttctaa ccattctgaa ggctagaagt ccaagatcag
300gatgtcagca tggttgggct ctattgaggg ctctcttctt ggctataga tggccacctt
360cttgtgtgt cctcacatgg ctaaaagaat aagag

395

<210> 2238<211> 394<212> DNA<213> Homo sapien

cgttgtgtc ggcaggctgt gatcggatc ctacagcctt accctcgtgt cctggatctt
60ttccttccat ttctgtgta cagcctttttt ggggacactg ccgttacctt actctagcta
120gcatagtctt gtctgtaggc gtcctataaa ggtgatagga ctgaccacac cgtcaccttt
180cccggaaacc caagagggag cgttcacacag agggagcgtg tagtgggggg aactgtttta
240taaattaatc cgtttattga aaggttcaca aggacaaaga ggcaacagca agagttaggc
300acagaaataa aggcgcgaga agtagaagtg cgccttggac ctggaggact cttccagagt
360gtttatcact tggtagacctg gtaggagggc tgcg

394

<210> 2239<211> 396<212> DNA<213> Homo sapien

ggcacgagga ttgtcccagg acctgaaggg agcatggatg gcctcagggc ctggtgaagt
60ctgtactctt gtccttactg ctgaacatcc tgctgtatc aggaactca gaagcagttt
120gccttgtcaa attcaatctc aatggccatt gtccacataa ctgatacccc atggctgcct
180ctcctattat ctattatcac tgaaacttag tagcctgctt tttttttttt ttttttaaaa
240cctatgggaa atttccttgg ttgggaacct tggccccggg ttgggttttc ccttctttg
300gaaaattaaa acccaaaagc cctttttttt tgggtgaatt accggagggc cttgccttaa
360ggggctgccc tgcccccttg ggggaataca aaaaaa

396

<210> 2240<211> 391<212> DNA<213> Homo sapien

ggcacgagct ttcttaaaac catctaaaat aaaaccttct tatttttagta gtgtcagtga
60aaataagcag tgacatttct tagaattctc agctttcaaa tctacatgct gtgacctgt
120ctgectacca tctggacagt ttttgtttac tcttgggttc ccccatggag taaaagtctc
180aaatcatcta gcattgttgc tcttatcttc aggtgatcca cccgcctcag cctcccagag
240ggctgagatt acaagtgtga gccactgccc ccagcctaca gaggactatt gagcatccaa
300tgactatgct aggtatgcag gtatagtact aagtaacagg agttcctaatt cctaagaggt
360ctctccatcta gcagaagaaa accaaacact t

391

<210> 2241<211> 392<212> DNA<213> Homo sapien

ggcacgaggt tgctcacagt gggttcacgag ttatcgaaca tgatacagtt aatgatttcc
60gagagaagat gatgtataaa gctatacatt gtgttcaaaa tatgaaacca gaggagtatg
120ctcataagat ttggaatta cagatgcaca gtataatgga aaagaaaatg aagaccaaga
180gaaatattgc caagcattac aagaataacc catcactaat aactttcctt tgcaaaaact
240gcagtgtgct agcctgttct ggggaagata tccatgtaat tgagaaaatg catcacgtct
300atatgacccc agaattcaag gaactttaca ttgtaagaga aaacaaagca ctggcpaaga
360agtgtgccga ctatcacata aatggtgaaa tg

392

<210> 2242<211> 391<212> DNA<213> Homo sapien

cgttgtgtc gagaggttta accttggaaat aaaagaaaga atcagcaaat acattatctg
60agcctacata cactttgtaa aaagtatact tccactgttc agaattagat gatggcacia
120aacctgttga ggtcttcatt catccttaca aatgtttatt atgctgagt tcccaggtga

180ctggatacag tggagtgaat tagaaatttg aaattattgc cctgagggga cctacattct
240tcttgttga gtgcgtctgt gtgggataag gtagacaaat aatataggaa attcaaaaaa
300ttgtttcaga ccatagtaag ttctatgcc aaatgaata gtccatatga taagaggaa
360agacattgtg agatgttga tctataggaa a

391

<210> 2243<211> 396<212> DNA<213> Homo sapien

ggcagcagat aaaaccagc tgtgtaagaa ttattctaaa tttaaagttt attcttatta
60ccgtagggat aggaatgtca gcaactcactg aattatggcc ttcctctcct gtgtctggac
120ctcctggcag cttatgggtc ccgtttcctt tggataacag gatacagctg gtggcaaaat
180tctcacctgt ggaatggcca ttgggagttt tcttctccat atagatcttt gcaaagcagc
240agaaaccatt ttgacaggaa accacaagcc tgtgttaaac accaaaagag aattgaaata
300acatgtccat gagttcctct ttctagaggt accaaccatc atgtgggac ctaagtatag
360tgtaaagtag ctctttgtcc tccccttcac tttag

396

<210> 2244<211> 392<212> DNA<213> Homo sapien

ggcagcaggc aggggtggagc cctctgagct gcccgtgat ctgcagcact ggatctccta
60caacgaggcc agcagccagc tgctccgcat ggagagtagg ctacgtgatg tcaccaagga
120ccagtgaacc ccaccttcac accgtctgcc ctggccacca tcttgggcct gggggctgcc
180cacagatggg cagtctcagc catactctgt tccagctgga gtacccctct gaccagcctg
240gcccacctg ctccacccac tgggcccccc cagtatttga taccctctg tgetgggctc
300cacgctaggc agaaggagga gtggcattgg catcctgacc cagctctgcc ctcaaggtgg
360ggatggatgg gcaaaggaga gtctgcctg gn

392

<210> 2245<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggttttcac caattctac tcgtagcagt acattagaaa ctacaaagag
60tctctttatc attgataaaa atgagcattt tacagtttac agagatcctg cacttattgg
120gtcagaaaca ggagctaacc atatttcacc tttcctaagc cagcctcctt ttcctcttca
180tctctcatct catagaacct gtttaaacc aggtacccat catcctgcct taactcctgc
240acccatttta ctagccggat catctagtca aactccatta cctaccatta acactcatcc
300tctgactagt ggtccacacc atgtgttca tcaccctcat ttacttcca ctgtgttacc
360tgagtgctt actgcctct tacttggtgg ccaccca

397

<210> 2246<211> 396<212> DNA<213> Homo sapien

ggnacgagnc cgcctctccc tggcctgagg ttcaaaggcc tcacggatg gtcagtacag
60tggggtcacc tgtgtttct atacaacagc aggggaaggg ccatggagct tttccctgct
120gggtgctcct gctttggccc agcccacctt tctggtgct ccaagctagg aggtgtggc
180cccagcctga ggaggggtgc ctggcctcca ggtgtgcagc aggggctgtg tgetgggga
240gggtccagtt aggcgatgg atcctgcagt ggtctggtg catttcttgg aaccagattt
300acctgaggag ctctgtcctg ctccctgtgg agggctccag atagctcaga aatgaccagc
360caatggcctt ttgtttgggg gcctgaggtc aagaga

396

<210> 2247<211> 395<212> DNA<213> Homo sapien

cgttgctgtc ggggcgtaag cacatctctt ttctggactg gccgactcct ttctggctcc
60atcctctctt gagccttctc tgccagctt aaagaaatcc ttgcagaaaa ctggtcagga
120tctgggtatg ggtgggaagg agcaaggaga ttgctctggg attggcagtc ctgttctcta
180tgaatcggtg tcctttgggg aggcctggac tgaaatacta accagataac tcccctcca
240cctccatgcg gagctgcagt tggattgaga gctgtttang gtaggccaaa atgctgtcaa
300gattctctta ccctgtgct ctactctgg acagccctga gggtggctgc ctgccttctt
360ccttgetgtt tgatctaaaa tgcagggtgt tagcn

395

<210> 2248<211> 391<212> DNA<213> Homo sapien

ggcagcagcc tgaagccagt agacagtga gaggtcggg ggacgaaccc ggcgctgttg
60gaggacgacc tcagtgtgct cctgagcctg ggcaggggg cggtggctgt gctagacttc
120attcactact gcagagccac cgtgtgctgg gaactaaagg gaaacatggg ggtccttgtg
180cacgacagtg gagatgcgga ggatgaggag aatgacatcc tgctgaatgg cctcagtcac
240cagagccatc tgatactgcg ggctgagggc ctggccactg gcttctgcag ggatgtgcac

300gggcagctga ggatcctgtg gaggagacca tcgcagcccg cagtccaccg ggatcagagc
360ttcacttacc agtataagat acaggacaaa a

391

<210> 2249<211> 395<212> DNA<213> Homo sapien

ggcacgagggc catctggccc tcacctcccg ccgtagctgg ctgtgacgcc cgccatgggc
60acactggggc agtgacgtga gaagacgagg atgccacgca ggctgacaaac ggtgcagaaac
120aggcagaact tgatgaccgc ggagccccgg agcctgagct tggtcacaac gaagccgccc
180aggaaggtgc cgccaccacc cgctggcacc accagcctct caccagagca gactgtcggc
240ctcacatcac ccccacctgc aggagggcgg ctctttcctc tcggccacac cttaggcctg
300gttccgatga acgcaactct gaatgctgg aacattcaaa tgctcttgtt tgaggaggtg
360gccaaatgta aatggattct gaagaatcag gaaca

395

<210> 2250<211> 397<212> DNA<213> Homo sapien

ggcacgagct ggccgcatga tctgcgggct tatgtctgaca ctaagctggc taatgtactg
60tttggccggg agctcgccaa ccagcttgag gccactggcg tcacctgcta tgcagccac
120ccaggggcctg tgaactcgga gctgttctcg cgccatgttc ctggatggct gcgcccactt
180ttgcgcccct tggtctggct ggtgctccgg gcaccaagag ggggtgccc aacacccctg
240tattgtgtc tacaagaggg catcgagccc ctgagtgtga gatattttgc caactggcat
300cggaatagg agcctccagc tgtctagac gaccgggcaa gccatcgct atgggagggc
360agcaagaggc tggcagagct taggcctggg gaggatg

397

<210> 2251<211> 392<212> DNA<213> Homo sapien

actgcacgag ggtcaatcca acattgttta tatcagttca cccgtaatga gaaacttcca
60gatgcgaata aactgctttg agaagtatgc acacggagac agtgtaatgg accaaaggca
120tatataaaag gtgaaaggaa gcatgtttac accaatgcca aaaagcacat gctaatttct
180cttgctactc ctgatcttac tcttcattta aagagatttc agcaggctgg ttttaacctt
240cgcatagtta acaaacacat aaagtttccg gaaatcttag atttggtctc tttttgcacc
300cttaaagtga agaattgtgc agaagaaaat acaaggggtac tctattcctt atatggagtt
360gttgaacaca gtggtactat gaggtcgggg cn

392

<210> 2252<211> 396<212> DNA<213> Homo sapien

tcttagacga ccaattatag gttatggagt ataattattac aagagtttcc ggggagaaac
60tttaggatat actcggtttc aagggtttta tctgcctttg ttgtgggaac agagtttttg
120ttggaaaagt ccgattgttc tgggttatac gagggggcac ttctctgctt tgggtgccat
180ggaaaatgat ggctatggca accgaggtgc tgggtgtaac ctcaataccg atgatgatgt
240caccatcaca tttttgcctc tgggtgacag tgaaaggaag ctactccatg tgcacttctc
300ttctgctcac gagctaggtg atgaggaaca gcaagaaaaa ctgctcatgg agtggctgga
360ctgctgtgtg acggaggggg gagttctggg tgccan

396

<210> 2253<211> 393<212> DNA<213> Homo sapien

cgttgctgtc gattgcccgt gcgagcgaca agtcctcttt tgccactcct ggggtgaacg
60tcgggctctt ctgttctacc cctggggttg ccttggcaag agcagtgcct agaaagggtg
120ccttggagat gctctttact ggtgagccca tttctgccc ggaggccctg ctccacgggc
180tgcttatcaa ggtgggtgcca gagggcgagc tgcaggagga gaccatgcgg atcgctagga
240agatcgcgtc actgagccgt ccggtggtgt ccttgggcaa agccaccttc tacaagcagc
300tgccccagga cctggggacg gcttactacc tcacctccca ggccatggtg gacaacctgg
360ccctgcggga cgggcaggag ggcacacgg cct

393

<210> 2254<211> 388<212> DNA<213> Homo sapien

ggcacgagga tctttatgca tttccacta ctcccttact gtcttttagc attcacagaa
60aaagccaact tgcttaaaaga ggaatcactt aaaaggtagg catatctaag atgctcatag
120aagaggaaga atgggacatg gcccctgctt tatttttgtt tacaagtaa catggcatga
180gagagggcag agaaactaag ttgctgggga aggttagagg aactgaaagt ttgggaatag
240gctgaccaca tattatgcca gtgaccagta tgacaggaga tggggccctg ctgcccagta
300tctccactga ataaagaata atgctcctct ttcagggtaa taaagtgggg aaaaggaacg
360tcttctcaat gcaagaacat aagctttt

388

<210> 2255<211> 387<212> DNA<213> Homo sapien

cgttgctgtc gatttttgaa ctcaacccta tgaacaatgg gccattcaaa tggaaaaaaa
60agctgcaaaa gaaggaaatc gcagagaacg tgtttgtgca gaacatttga ggaagtacaa
120tgaggcccta caaattaatg acacaattcg aatgatagat gcgtatactc atcttgaaac
180tttctataat gaagagaaag ataagaagt tgcagtcata gaagatgata gtgatgagg
240tggtgatgat gagtattgtg atgggtgatga agaattgagat gatttactca accctttgaa
300actggatgaa acagatagat ttctcatgac tttatttttt gaaaacaata aaacgttgaa
360aagggtggct gaaaaccag aatatgg

387

<210> 2256<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gcttattttt gtctttcact atcgaggcc ttagaagagg tctacctgcc
60tcagctctta cctagtccag tctacccctt ggagtagaaa tggccatcct gaagtgaaaa
120gaaatgtcac attactccct tcagagattt cttgtagaag agccaatccc tgaatgccac
180caagatctta atcttcacat cttaattctt atctctttga ctctcttta caccggagaa
240cggctccagc tgttctagct ctctttcagt tctttgaacc tccccacctt aggggtctata
300agggctccctc tgcccaaat ggtctactct ccctcttct tcaacacatc cttcagttta
360agcacttgct tctctcagtt taaac

385

<210> 2257<211> 388<212> DNA<213> Homo sapien

ggcagcaggc ccagccctgg taatcctgat gcagaggggc cacaaccaca tttgggaaat
60gttgacctaa tgcacagcag gaaagcactt tcatttgcta agaagtttcc atatgaaggg
120ccacgcagac ctgagcatgt agaaaggcaa ggggccaggg aagtactag aacactgact
180ctgggggttat attgcctggg tttgaatcta atcttggtcg cttactggtg atgctacca
240aggtgtctgt accttcattt cccacactgt agaaataggg ataggatagt ggaaggattt
300gagatgagct gagaccatct gcatagaggg cttaacatag tgactgggac ttancaaag
360ctccatgagt tatgattgct ggcactgg

388

<210> 2258<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggctgaagct gtcacctgtt ggaatatcag atattaagga tggccagaag
60ggcagtgggc agagccagag agtgtttctt gaagcctgtg acagatttga agggcctgtt
120tcataatct ataaactgaa gagctacatt gtttaaagaa ttaatttgg aaataaattt
180accctgagat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt
240atgcataat aaataaccac gccaaagagga ccaccccttc ctttatctga gaaaggaagt
300atacaaaatc cgcatacaatt taccggcagc agtccccctg cttgcattgt aggtgtcaaa
360gcccgggtgc ctgatcttga cataggaag

389

<210> 2259<211> 385<212> DNA<213> Homo sapien

tacggttgct agattacgac agaaggggag tcagatggga gtgctgttta accttttcag
60gaactgtcag actgttctga agagggtaca ttattttaca ttccaaccag cagtgtatga
120gaattccagt ttatccacat cctcatcaac agttgttttg tctgtctttt ttattatatt
180catctcgcat gtgaagcgcg tatctcattg tggttttgat tcacctctcc ctgacgggtg
240acgacccac ttctcattgc gtacctcat tacctccccg cggcctttct tcataactg
300gttgctccag gaattacctc attcatctcg cccccgattt cctgtttgag cccgcttctt
360attccccctc ctccgccttc gtccc

385

<210> 2260<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gctctgaagg aggtcttcaa ggagtatttg attgaactgt ttttcttgca
60acactttcaa gggaaacatga tggatttctt agctttcaag aagaacatt atgccccatt
120acaagcatat cttaggcaga atgatttga cattgaagaa gaggaggagg aggaggaaga
180ggaggaagaa aaatctgagg ttatcaatga cgagcaagcc ctgcaggga gcctggtagc
240aggggcccga agcacagtag agacggacct gttaagagg cagcaggcga tgccctccac
300agggaggaatg cccccacgc cgcaagccgc gcagctcgct ggacagaggc agagtacagc
360gcagtatgac cctccacgg ggctcccgct

390

<210> 2261<211> 386<212> DNA<213> Homo sapien

ttttacgatt ctaaaatcct aacagatttt aactgttgct taaatattat ttcttggcat
60atatagcttt ttaagtcgtg ggggtcaaaga tagatgtact catttgagac ttagtgattt
120gttttataag tatgttgaat aagttgagcc agtttgaatt gtgtccttct cttttaaaga
180aaagatttcc caaattttaa cctggattta gatgtttttt gggttaaccc tactgaactt
240tccaaaattt tcaggcttct gggcctaact caaactgtaa ttcatgagg ccggccaagt
300gatttttaat ctcatctaaa agttaccata agctctactt gaaccatttg ggttttagta
360taataaaaagg gcacatgtat tgggtt

386

<210> 2262<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gatcattttg atatttcatt ctgatttctg attctctgat ttctgattcc
60taatgaggac agtaggtctg gatccaaatt ctacacagtaa aatcaagcag taattttctc
120tcatactctat tagggaaaga aaaatgatca cagtctgcta agagtcttga tttctttgt
180aatgcctcac atagtatgat aatcagcttc caaagcatca catgataatt acaatgatc
240cattaacatg tcaaggaaat tatattattt atgggtgtca aaaattatga agtagtgtat
300gattataagc agatatggca aatttgttca gttaaaccat agatgactac attttgagaa
360atactaagat aataactaaaa attatgccn

389

<210> 2263<211> 388<212> DNA<213> Homo sapien

ggcacgagcc ccagtttttg ggctcacttg tctgtatcc taacaactat ttacatagta
60tttacattat attagccatt gtaagtaatc tagagatgat ttaaagtata tggaaggatg
120tgtgtaaatt gtatgtgaat acaaacattt tatataaggg acttgagtat ctgtggatct
180tgatggggta ggggtgtcc tgaaccaat ccccttgga tactgagggg tgactatata
240cttaagccac cagacatctt gcataccta gacaattgtt tggggccat gagctttaat
300tacaaaaatgt aatgctggga gaacatagag aagagtgatt ttgttttta aatgtacact
360tgaatctgta gaaatatact acatttgn

388

<210> 2264<211> 386<212> DNA<213> Homo sapien

ggcacgagac taaaccctcc cctagctttg gtttccccg cagtctgaag actctaatac
60ttgacactcg ttcagagaga tgtttggga atttatagac acttaacatt tatgcacct
120tatatatcgg gggcgggagg aattacagac acttaaacca ttactgcctt ctctctaaa
180agaataacag ctttggtaac tgggttagca gaggtgttag tggacttagg gttgtaaaac
240gatactcatg gactgacat cgatgagtct atgagggaaa ttagaaagat aaatacatct
300gggatgtaaa ctcggaagg cgaggctgtt caaatgttg gtgctattga attgtgattc
360tcggtgtttg tacattgcta ataatg

386

<210> 2265<211> 389<212> DNA<213> Homo sapien

ggcacgaggg tggcccatct ggactcatgg tagtggttaa gaactggatt actgcaatag
60ccagggttg ggcctatgtg ttcatggttg gaaggcaaaa tgtgtcaggg tctggtacct
120agttaattac ttaaagctga taaactagc tgggtgcagt ggctcatgtc tgtaatgcca
180gcagtttggg aggccaaagc aggtggatca cgaggtcagg agttcgatac ctctctgacc
240aacatggtga aaccccggtt ctactaaaaa tacaacatt agctgggcat ggtggcacgc
300acctgtaatc ccagctactt gggaggctga ggcaggagaa ttgcttgaac ctgggaggca
360gaagttgcag tgagctgaga tcatgccat

389

<210> 2266<211> 389<212> DNA<213> Homo sapien

ggcacgaggg aacatgaggg aatgggcaag cctagagatg gtttcatgcc atctctagct
60ttgggagcca aattctgaaa cagaaacttt ctgtttccca taattctccc tcaacctcac
120atttttatat ccatttggat gcagaggcaa tateccatt ttacagcaga gggagatacg
180atttagttgc aactacatac agttagcaag aggtagagcc aagactggaa tcttcagttg
240ctagcttcag aatctgtgct ctttgtgtgc aaaatcattt ctaagcaaga acaaggattc
300tagattgtcc tcatccttac tacagagtca ttcagactc ggggcaagac ccaaaggctg
360caggcaccct gggcagggtt ataatttgg

389

<210> 2267<211> 390<212> DNA<213> Homo sapien

ggcacgaggt ggtaagaat ttataccctc caaattatgc gtctggtgcc ttggttgaaa
60gtattctcac ttcaggttg ctgtattaca ggtacggtat tctcaccaaa atcatttctc

120tttgtaatta tgatactgat tttaatgccg cacatttgca tactatatgc ttgttacagt
180gatccccaca gtaactcatg aagcagccac tcattgtaca aatgaacgac tccatataat
240agtttagcta ttatacagta catggcagaa acacaattca aactcaagtt tatacgaata
300ctttcaagtc tccttacctg agagcagaaa gtgacattta aatttaaagg agttcccagc
360ctttgttttc agtgcagttt gtttcattgn

390

<210> 2268<211> 390<212> DNA<213> Homo sapien

ggcacgaggt gtgggattac agttgtgagt cactgtgccc agcatggagt ttcttatatc
60aggtgtttta gggagctcgc ttgcttattc cattctttaa tccttacagt gtgccacacg
120tataaagttt ataacgtatt aatgatctca ttacccaaaa ccagaacata atttcacaag
180ggttccctact tctgtattgt tttattatct caaaaattta aataacatgt tctgtcgggt
240atttgtcttg ttatccactg tattagcacc ttccctgatg tgctttggag gttgatcaat
300gaattttctga gactttctgc tgggaattact ttaagggtgt cttattagat gatgaaaagt
360tggtgagac acccttcaag tgaccatgtn

390

<210> 2269<211> 387<212> DNA<213> Homo sapien

ggcacgagcc taaaccatga gtccttatt tgtaaagggg acattagcca ctctccagca
60acagccctgg tacttcttca gtccctggat gggacgtatg attagcctaa gcgaaccaga
120aaatccaggc ccgtgaccag tgacttgatc agggctggcg atatatctag gtaggccaac
180caggtggact cagtattttt gtgggtgcta ctggaaaatt tatttaattc taactgaatg
240tagaaacagc aacagacatg aaatggcagt tgtattgctg tcttatcatg aggtgagggc
300ctgaagctat ggtagccacc ctgtgaacct tgggaaggagg gttctacagg aactggcaga
360gtgagactg ggacgcaacc catgtn

387

<210> 2270<211> 385<212> DNA<213> Homo sapien

ggcacgaggc tgcattcaagc tggggtcttg agtccaggct tttggactga aacaaggacc
60tgaacatct aaaactacct ctgattcta taggaaggag ataggtgctg aacttgctca
120agagcccaaga gagctgggtg tagctcacac ccgttccctg ggcattgtgtg ttctgtcctc
180ggctgcctcc caggagtcct caacctgggg tagtgtaaatt tctgtctctg cttattatca
240gacgtgtgtc cggaggtggg cgtgtttcac agtggggatg ggggtaggga ggtcccaat
300gtgctaagct acaatcattc tccctgagat tttcatttag caccagttt cttaaacagt
360gtttcagggc cctgtctgga acttg

385

<210> 2271<211> 386<212> DNA<213> Homo sapien

ggcacgagga aggcagttat atggnntttt actttttcat caattccata ccacgggag
60taactaaatg aaacatactt caaagaaaga agtcaaatta aatgactgtc attgccatt
120aataaaaaca acaatctgag cttaacaaaa aatttaacaa acaggaaga cagaagatg
180gtatatttat tgctgacta cactggcata actcattta acaaaaatta tcacatttaa
240taatataacc tgttatagct aaatattaaa cacatattaa ttagggccaa ctttgaagga
300tttctaattc atccatttcc ttattcacta ttatatatga agcactacac taggtgcagg
360gtcattataa acaagttttt tctttg

386

<210> 2272<211> 388<212> DNA<213> Homo sapien

ggcacgagct tagccatcca ttgtgtctca aaactgtttt ggagggtgaat aactgtgagg
60caggatggag aaccttttgc tctccatcc agaagggcac ctaaccaggc ccctggagca
120gacaaaagga gcaggaagtc aatcacttcg atcccagttc tctgaagccc aagaagaaaa
180cggattttcc ttcgttttgg ttcggaggcc tagtagagaa tttggattcc accaagttct
240cttttttcaa aaaaagtaaa cggctccagag cagacaaaaa ctgtggaaac ttgaggcctg
300ggtagtagtg gttttgtttg attttgaggc tttaaagaga taaggagacg gtggtggagc
360tccgccacgc cgcgtggttc tcaactcc

388

<210> 2273<211> 390<212> DNA<213> Homo sapien

cgttgctgtc gcttatgtcg tattgcttta cagecactac acttgattc ctgttgatta
60acttctccat tctcttaagc accttttagaa gatttagaag ttctctagtt ttaagtgtt
120caccagcaag tattccatcc ctacttgatg ttgctggtct ggtgtcttat ttctaaagt
180gaagcatctt tttttaaaaa agaatttgat tgacaatata tccagtccaa tataagtatg

240aaggattctc tctcctgaga ttgtagcagg cagccaaaca ttttcaaag atgcccgaagg
300tttttagctgt cttgtgtgca tccacagtct gcgaagaaga catgataagg acatcaggga
360gccacaaga ctctaataag cctcactacn

390

<210> 2274<211> 389<212> DNA<213> Homo sapien

ggcacgagcc ggggcggggc ggggcgaggt cctaactagc tgggttagta agcggcgcca
60gcgtgcgagt ttctgtcgcg cccgcgtcgt cccagctccc tggactacca gtattgtcgc
120ccacgtgggc ttctctttcg tccgctcagg cctcactttt ctccgtaaac accccggcac
180gatggagcgg ccccagcgtt cgggagcggc cgggagcgg aaagcggcag tgcctcggga
240gcctcgaaag ccgcaggggc ggcagctcgc ctccgaatga cctctgacgg aagaaataaa
300acggggcctg ggacgcttgc acgaaagaac ccgacaaaaa ccagagcccc cactcactct
360cgtactgggg aggtggactt cagggaggg

389

<210> 2275<211> 389<212> DNA<213> Homo sapien

ggcacgagac actgtcttga ctaanaaaaa taaaaggggg aaaaaaaaaa angggcggtt
60ggtttttggg gcccaaaaaa ggggttggga aaccccggtt tttttgcctt atgccccccc
120ctggacttcc ttgggaaaaa aagcctattg gcctttccca aaaaactttt ttttcaaaag
180gaccggcctt tgggaaaaa gccccctgg gggctttttg ggggggggta aacccaggg
240agaccggga acctcatttc ttggccccg tttttatttt ttgtgaagct ttgaaaaaac
300atttttttgg ccctttttgg gggaggcccc cccttttata accccaggga aacaagggtg
360caaactgcct aagacttccc cggggtggc

389

<210> 2276<211> 390<212> DNA<213> Homo sapien

ggcacgagcc cgagcggggc tgggactctt ttaagatgcc cacgttcgca cagagacccc
60ggatcgcgga agctcgcgtc tcgaaaggcg gtctcacgcc ctgcccgtcc tgggttcacg
120gttttttcac acctcgggct gtccctgcgat cgaccacagc tgtgcaggag gggcaggag
180tatctgttgc tgcagttacc ggaacctttg ccaggactag tacaggacca cgggctggta
240gctcagggat gtctcgactg tgagttacag ctgcacgctc tccaggaaag aaggaatttc
300ctcttctcgc gaaacccac cacacagctg gtttctcatt ggtgctgctt gccattccc
360tgagctgtga ctgccaggag agtgggaggt

390

<210> 2277<211> 386<212> DNA<213> Homo sapien

cgttgctgtc ggcagagccc atagccatag ctggggctca aacgagctgt cccggggggc
60cagagggcgg acaatgccaa gcccaaccgg gacctgaaac tgcaggctgg ctccgacctc
120cggaggcgac ggcgggacct tggccctcat gcagagggtc agctggcccc gagggatggg
180gtcattggcc ttaacccctt gcctgatgtc caggggaaac accctcgtgg cgccctggat
240gcccagctcc gccaggctgc ggggggagct ctgcagggtg tccacagccg gcagcttaga
300caggcgccct ggctccaga ggagtcctag cacctgctgg ccatgagggc cacgccagcc
360actgccctcc tcggccgcag cagggg

386

<210> 2278<211> 385<212> DNA<213> Homo sapien

ggcacgaggg aaagcctcgc ggcgaggata gcacgagtat tcaagcgcgg ctgaggccct
60ccttggctag tgctgggaca tggagccccg gcagccaagg ccaaccttgt gcattccgcc
120cacgtaggcg cctggggccc tggcttctct cgactgcctc tccactgcct ggaggtcact
180aaatgccctt ggaccacctc ctacgtgcca cagctgtgtg tggccatcca aggttccata
240ttgagcataa aacagccctc tgccctaaag gagttaacct gttggaatca catacaaagg
300attctgacta ccaagcgcct tgaagttaag ttgaactctg aagacagatt gcctggctac
360aaagctcagt tccactacat atggt

385

<210> 2279<211> 390<212> DNA<213> Homo sapien

ggcacgaggt gtcttctctg accttccact tccaccatgt gccgacactt ccctgacccc
60agtaacctct tctcttgggt ggggtgaatgc cacctgctga tgtctgattt attcatcgg
120tttcttctgt gtagctgtc ccccttgggg acagggactc gttgctcatg ttcacccggc
180aggctggaca ctctgtggag ggctccaaag ccggcagatc cgggggccgc ctctgtctct
240cccaggccct gcgtgttgcg gtgagaggag catttgtgtc tctgtggttt gctgctggag
300ctggtgaccg ggagagaaac aaggagagaca aggtgcccc gacaggtgcg gtgctcatcc

360aggaggcaga agacgtggac gtgtcccggg

390

<210> 2280<211> 386<212> DNA<213> Homo sapien

gttgctgtcg ctcacgcccc acaaaacccc acagccccc ccccggtccc ccccaatgaa
60gctggagttg aagatcgcca tctcagaggc cgagcagtct ggggctgctg agggcactgc
120gtctgtcagc ccccggtccc caatccgcca gtggcgaact caggaccaca atacccagc
180acttctccct aagccctctc tgggccaag ctactctctc cctgatctgg ggccccctgg
240cccagggtacc tgcacctggc cacctgctcc accccaacca agccgaccac ggccgcggcg
300gcacactgtg ggtggtgggg aaatggcccc agccccgcca cccctcggc cctgtctccg
360gaaagaggtc ttccctctcg gaggaa

386

<210> 2281<211> 390<212> DNA<213> Homo sapien

ggcaccaggc gctttgtgac tggaggtctt cgtgggcagt tctatcagtg tgacttagat
60ggtaaatctcc ttgactcctg ggaagggtga agagtgaat gcctttggtg cttgagtgat
120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggctataa cttcgaggac
180cttacagata ggaacatagt acaagaagat catctatta tgtcttttac tatttcaaaa
240aatggccgat tagctttgtt aaatgtagca actcaggag ttcatttatg ggacttgcaa
300gacagagttt tagtaagaaa gtatcaaggt gttacacaag ggttttatac aattcattca
360atggttgag gccattatga aaacttcatg

390

<210> 2282<211> 390<212> DNA<213> Homo sapien

gcggagcgag caacacagtc ctttttcttt cgtgcgtcc ggccaaggc ggaaaaagac
60gaggacagtg ttctcacag tactggacag ctcacagtc gggctaagca ggggctacct
120tcacggacca taaaactcca agaggctcaa gaaggacag atcagccatc acttcatggt
180caactttgtc agggagcgct aggagccagg aatttacctg tgcggccaga tggcacctg
240aactcatttg ttaagggtg tctcactctg ccagaccaac aaaaactgag actgaagtgc
300ccagtctga ggaagcacgc ttgccccag tggaaacact catttgtctt cagtggccga
360acccagctc agctgaggca gtcaagcttg

390

<210> 2283<211> 385<212> DNA<213> Homo sapien

ggcacgagga cttctcagcc tgccgagcgt actggaagac aacgctctct gctgagcaga
60acgcacacat ggaggctgtc ctgcagagaa gtgccgcgca catgaggcac cttttgatgt
120cccagcagac cctgaggaat gtgccaccga tagtgttgt tcaagacaag ggaaatgcag
180ctctagctga gcttgatcag ttactggcag tcgcagactt tggaccccg gatgaaagag
240acaactttgt acaaaatgat ttcaaggacc ctgatgcccc acaacctgc ggcaccacag
300agccgaccac aagctccagt ctgtgtggga tcgatcatga ggcgtcaac aagcagatta
360tgagtagcaa aaggaggaaa gataa

385

<210> 2284<211> 386<212> DNA<213> Homo sapien

ggcacgagag tcaagattgg ctgcctcatg ttgaggttca gagttacgac tcggactgga
60cagaggcgcc ggcagctgtg gtgattggcg gggagacctt cggcgtgagc ctggagtccc
120tcagctggc cgagagcact ggtggcaaga ggctgctgat cccggttggt cctggtgtgg
180acagcctcaa ctcggccatg gcggcaagca tctgtcttt cgaagggaag agacagctgc
240gggggagggc ggaggacttg agcagggaca ggagttacca ctgaggacgc agaagtgact
300tctgcttgag gacgtctgca gctctccta caccagcaca ctggtgggag gctggcggag
360tcagtgacta tggccccac gttcag

386

<210> 2285<211> 385<212> DNA<213> Homo sapien

ggtgatggag ctgaaattgc agaaaaattt gttttcttca ttggcagtaa aaatggggga
60aagactacta ttattctaag gtgtcttgac agagatgaac caccaaaacc aaccttagct
120ttggaatata catatggaag aagagcaaaa gggcacaaca caccaaaaga tatcgctcac
180ttttgggaac tcggtggagg aacctcttta ttggacttaa tcagcatacc catcacaggt
240gacaccttac ggacgttttc tctgtctctc gttctggatc tttcaaaacc taatgatctc
300tgccccacca tggaaaatct cttgcaagcc acaaaaagcc atgtagacaa agtgataatg
360aaactgggaa agacaaatgc taaag

385

<210> 2286<211> 389<212> DNA<213> Homo sapien

ggaagcaaaa aagattatat tcaggaaaaa cagatgagac aagaagagca gagggaaaaga
60catttagagg ctgccgtctt gctgagtga agaaacgcag atggtttaatt tgtagctagt
120cggtttccacc ccactcccct gctgctgtct ttgctggact ttgtggcccc tcaaggccg
180tttgtggtct actgtcagta caaagagcct ctgttggaat gctacacaaa actgcgggag
240aggggagggg tcatcaacct caggctgtct gaaacctggc tcagaaatta tcaggttttg
300ccagatcgaa gtcaccttaa actgctgatg agtggagggtg ggggttatct tctctccggc
360ttcaccgttg ccatggacaa ccttaaagn

389

<210> 2287<211> 388<212> DNA<213> Homo sapien

ggcagcagtg aaaatcaaag gagaagaatt tcctctgact ctgggtcggg atgtctctgg
60cgtggtgatg gaatgtgggc ttgatgtgaa atacttcaag cctggagatg aggtctgggc
120tgcagttcct ccttggaac aaggcactct ttcagagttt gttgtagtca gtgggaatga
180ggctcttcac aaacccaaat cactcactca tactcaagct gcctctttgc catatgtggc
240tctcacagcc tggctgtcta taaacaaagt tgggtggcctg aatgacatga attgcacagg
300aaaacgtgtt ctaatcttag gcgcttcaag cggagttggg acttttgcta tacaggtaat
360gaaagcatgg gatgctcatg tgacagct

388

<210> 2288<211> 386<212> DNA<213> Homo sapien

cggtgctgtc gtggcactat tacagcgttt gctttgggtc tggaaacctc aggggcccgt
60tgggggactg gaggatatga ctatgatgtt aagctttggg attttgctgg aatggatgct
120tcttttaagg cattttgatc ccttcagccc tgtgagtgcc atctgatcat gttattacag
180tttagtaaca caggagacat gattcttgtt gtatctggaa gctctcatgc caaggtgatt
240gtcagagatc gcgtttgat gtattggaat gcttaaaagg agaccagtat attgaggaca
300tggccatcac caaggtcat actgcattgc tttatactgg ctcatggcat ccctaaatat
360agggagaatt tatgacttgc tcaccg

386

<210> 2289<211> 385<212> DNA<213> Homo sapien

ggcagcaggg acaagagaaa tacttgttgt tgcagatat ctcagaatcg gaatttctaa
60ctgaagctga aatcatttgt gatgtgtat gcctgggtata tgatgtcagc aatcccaaat
120cctttgaata ctgtgccagg atttttaagc aacactttat ggacagcaga ataccttgc
180taatcgtagc tgcaaaagtc gacctgcagc aagttaaaca agaatacagt atttcaccta
240ctgatttctg caggaaacac aaaatgcctc caccacaagc cttcacttgc aatactgctg
300atgccccag taaggatata tttgttaaata tgacaacaat ggccatgtat ccagaggatc
360attacagaga cagactctcc cgagn

385

<210> 2290<211> 387<212> DNA<213> Homo sapien

attcaattct gcacgaagaa aagctgagaa atgaccact ttggtgctat ggggaggcct
60tgccatcatg ggcacaccgt ttggcatttt gcccgggctt acctgggtgg aatattcctg
120ggacatcatg gagccagtaa catacttcat cacttatgga agtgccatgg caatgtatgc
180atattttgta atgacacgcc tggaaatagt ttatccacaa gccagagaca gacaatactt
240actatttttc cataaaggag ccaaaaagtc acgttttgac ctagagaaat acaatcaact
300caaggatgca attgctcagg cagaaatgga ccttaagaga ctgagagacc cattacaagt
360acatctgcct ctccgacaaa ttggaga

387

<210> 2291<211> 384<212> DNA<213> Homo sapien

cggtgctgtc ggtttttgta caagagcgca tactcatttc tttctctctt tttcaaatgt
60gactaaatca cacttcccag ggacaccaag ctgtttctga ttgcaactgt aacagcctgt
120gtaccagctg ggatttttgt attaagcagc tctatggggc tactatacca gcagaaaatt
180agaagctctg ctctaaaaag cattttcagc aaataacttg tttgttctta aggtttttac
240tgccatcaatt tgtcagctaa tggatcacia gtgattggga ctgcctggag cttttttcag
300ttatggtctt agatgtgagt cagagaatat tatctattga gtttcaccca cttctctgcc
360cctgtgcttt tacagactgg cctn

384

<210> 2292<211> 381<212> DNA<213> Homo sapien

ttttggttgt cacaactggn gggatgttgt tttcatctag aggatagagg ccagggtgct

60actcaacatc ctacaatgca tgggacaact cccacaacaa agaattatcc agcccaaat
 120gtcattagt ctgaggttga gaaatactcc tctaaagtag ataaactcct tgagtaaaga
 180gaagtttacc atagcaactt tcagtagtac ttcaaagaag atagctgtat aaatgtcatc
 240aaactatact atgtagagaa tcttaagtga taaccagggt cacggattcc aaacatgtca
 300ttataaattg ttttatatgg tgctcactgg tgcatttttc cttttggata agggaaaaca
 360ttattccact tactgttttt g

381

<210> 2293<211> 383<212> DNA<213> Homo sapien

cggtgtgtc gctgggtgcg gtggtgctg cctataattc cagctactcc agatgttgag
 60gcaggagagt tgcttgacc cgggaggtgg aggggtgctg gagccgagat cgcgctactg
 120tactccagcc tgggcaacag agtgagactc cgtctccaaa aaaaaaaagg ggggtaaaaa
 180cctttgaaaa tggaccccg tttttaactt tttattggaa atcctaaagg gggcttcggg
 240ttttcaaaag aattttccaa accaaccccc ggcgggggga aatttgacct tttttggcaa
 300acggggaata ttttttttcc tggagccctt gggggggggg ggggaatttt gccttaagac
 360ccttgggggt ttttggggca aag

383

<210> 2294<211> 384<212> DNA<213> Homo sapien

ctgacctcag gtgaccacc tgcctcgcc tcccaaagt ctgggattac gggtttgagc
 60cactgcgcct ggcgggggat tatgttttaa atgttatctt tcacagcgtc tgaagttctg
 120tgcttgaaac ctaagtcatt tggaaatgtac ttgtttgtg ggtgtgctga gaggatcggc
 180aacatggcaa ggtagttatt ataataaag gtgagatggg gcggtatgtt gtanaaccct
 240ctaanaactac cactctacac tcactcttca agattctttt ctgagctga tcaaccatga
 300ttttgatgac gtctttaccg agccttgaga aactaaaact tcctagaggc caccctttgt
 360agaaaccgac aatccgtcta ctcc

384

<210> 2295<211> 384<212> DNA<213> Homo sapien

cggtgtgtc gcgttttcaa attcacagg gagggggaat gtctcatact ccagccctcc
 60tgagcctagg cctctgtga gatgtgtcac ctttcttgg acaccatag agacattccc
 120cctcggatta gagatgtca acctgcatca acaaactaa agcctgcate tggctaccct
 180gggggcgagtc ctgtttacag tgcctattcc tggagctcgc ctctttttgc cttttgttg
 240attatgtgat gtattacttt tcccagcagg ccagtgttag catactggaa gagggattta
 300ataagctggc acccttgatg ctatgtcct aatccaacct tatttgctc attggccatt
 360tccattatgg tggcagccct ccat

384

<210> 2296<211> 384<212> DNA<213> Homo sapien

gccgcactcc actgcacagg acacttatgc caccctcttg ccagatgcct ttgaagaaag
 60agtcagactg gtccacctc ccccagccc tggggctcct tgagcctctc tccagccttg
 120gcaggaggag gaaaagcagc acctccctca gacagctgga aaggccctct tccctccag
 180ctcagtggt cgggccaagg gtcaccagac gggatattgt cccacctcc ctaccaacc
 240caagaacaca ctccacacc ctcttcgctg ctgcggtgtg aagcttcagc ctaaccaat
 300cccacagagt ccatctcgac agcctgggat gacacgggtt ccccagaggg ggacagagt
 360ctgggtgtg gtgccagttt agac

384

<210> 2297<211> 379<212> DNA<213> Homo sapien

ggcagaggc tatacacagc tctgtttgt caatgacct tgttgaagt ctcccaact
 60cctattagga gccacagcag gtgaggcatt tgggtcagca ggaaacatgg ggactgccta
 120ggctcgaatc tgtggcacc tgagcaatta cttaaattgt ggagcctagt tctcatctg
 180taagatggac ttgagattcc tacctctcat gattactatg gagattgaat aattggtaaa
 240attctcctag ctacgtgact gccacaggat gggcttttca gattttggct ctctttagct
 300tctggttctt gaaagaaatt aatctgtata taacataaga aactttgaaa gtcaaaaaaa
 360caaaaaattt taattcctc

379

<210> 2298<211> 384<212> DNA<213> Homo sapien

ggcagagggt tttctctgt taagtccat tgccctcttc cacattttgc tattattata
 60ataaacatta taaatgttaa aaactcaaca atatgttgn aaacttattg ttttatgtac
 120tctatgcttt ttttttttt ttgaaaagga atttttcttt ttttccccca gctggaagg

180aatggcctta atttttttta acaaaaactt cgccttgggg gggttaaagaa ttttcaaatt
240taacccttct gaagaactgg gaataaaggc ttggcgaccc ccccttcagt tattttgttt
300ttttaagaaa accccgggtg tttcaaagta aaaagggggg gcttggaaact ccgagcccaa
360gggggtgccc cccaccttga aacc

384

<210> 2299<211> 384<212> DNA<213> Homo sapien

ggcagcagca aagaatttta ttcaattaaa ctgaaatgc atctggattc ttaaagggtc
60agttagtgc actgggacag ggcgatcata aaactgaatg ggctgtcggg aggtgtcgg
120gcagcagcaa gggtagacatt gccactgacg ggggcttccg aactggggac gtttgcatt
180gggatgtgtt acaagttcgg gctgtggaaa ttactcgatg aaaaacgcac attaacgata
240gccatgaaat attagttaag ggaaactagg ttgagaaatg agacagcagg atctatcaga
300gcttggcatt gttcgccaca gcccaggtag tgattaaac gactgtcaag cggcagtggg
360tgggagctga ggagcacggn gctg

384

<210> 2300<211> 384<212> DNA<213> Homo sapien

cgttgtgtc ggttagtgc gagtttccac agccaggtag tactccgcca gtgacctgg
60acagtaacaa aacatataaa gcccagagcc aaaccccgcc accatcatag gtctgtagt
120actgtggaat caataagcca tggcatctaa gaaatttgcg gttaaaagac ggggtttggc
180tatgtaaactc aggttagtct cgaactcctg agttcaagt atacaccac tttggcctcc
240caaagtgtg ggattacagg tgtgagctac cattcctgac ctaggggctt ttctaaggaa
300ggcagaaaat gtttgcctaa cacagtgtg gaattttgcg gtcctcgtgg atcttcatat
360cttgccacaa ggttcaaaca aagg

384

<210> 2301<211> 384<212> DNA<213> Homo sapien

cgactctct gcttgggtat ttgagtttga tttaaacaaa gcgtcgtgga tgggaggtgt
60atcacatgat cattttaacc attgtgcctt ttaatgtgga aaatctgccc aaaataggac
120ctgtcgcagt ggttttcaca tatacaaga agtggctaga atgttctctc agaacagcac
180acgggattag aaaggacatt tggccgctgg aattcttcag tgagaattca gtgattaagc
240ctgcttctg ttttcttctg gggccgcagg gttcctgtgg atgtcccccac cctcagattg
300ctggagtaga aaacttaact ttccaaaaca ctgagttgtt ttcagcccag cattagaggt
360taaagatgct catgtagaaa gccg

384

<210> 2302<211> 380<212> DNA<213> Homo sapien

caagtttgat gcaacataaa ctgataaagt ttgaaataaa aagagacagg ttggtaggaa
60agaccattca taccctatcc ccaactggc ttaagtccac tccactgcc ccagctacc
120acctttttac tttattctac ctgctatttc tttggccacc ggaataataa gcctgatgta
180aattctgttt catactccca caggccaact ttttttggag tttgacaata attattccaa
240gtcaagtaat tcattgattt tagtggaaga ttgttttcca ggtgttattc ttccatgcgc
300ctcaccacca tctcataaag tagaaaagag atgatttaat ttatgggtct agaaaataaa
360aatgtaaata cttgcttgtt

380

<210> 2303<211> 380<212> DNA<213> Homo sapien

ggcagcagat tttggagacg acatggtagg aggctagctc tagggatggg ttagaaaaa
60aagtcacctg gggactggc caccctctc cggctccctt gcctgttggg gtcagggctg
120ccctgggaag ggcagcgacg ctgggttggg aggagcatag actgcagggc atctgcctga
180gtgtagagtc cctgggctc taattctgta aaatgcggg aatagcatcc gcttctctga
240gctgttagag gtgtaacagg taaacccatg taagggtgctt aggacagggc tgggtctggc
300taagtgcggt taatatcgtc agcatcatta cctgcgttat tgtagcactg atcgccatgt
360cagctgcctt caaggctctg

380

<210> 2304<211> 383<212> DNA<213> Homo sapien

ggcagcagggt gtgttctgt tgtggctatt tttaagaatc ggtgtttctc agaattgata
60agaccatggc acaaaactgt gacgattggc tttggagtaa cctgtgtgc ggttcttatt
120gcacagaaat cagagcctca ttccttatt agtgaagcat tgatgaggag agcagcgtct
180tttggtaacag atagcacctc tacctttctc tctcagacca catatgcgtt gattgaagct
240attactgaat atactaaggc tgtttatacc ttaacttctc tttaccgaca atatacaagt

300ttacttggga aaatgaattc agaggaggaa gatgaagtgt ggcaggtgat cataggagcc
360agagctgaga tgactttctaa aca

383

<210> 2305<211> 379<212> DNA<213> Homo sapien

gggaagagca cctagcccg aatcccccta cagactagt gcaagtggga cgctggtgat
60atgaggaggc agaggcagca cccaggagaa acagggcagt ggaccaatgg acagctccac
120cagctccaca tctttggaag ctgatttgg ggagagagaa gctctacccc agacttaata
180cccattgaaa tttcacctca ggtgttgtgt cctgtgtctg gtttaagtgtc ccatggaagg
240ggaaagcctt cagtcagaa cccaacccta taccttttac ttcttaaatg gtgctaacca
300caggtgtccc aggtgtctct gtgccagtta agatttttaa ctttcaaggg gcagggcata
360ctgggaaatg tagtttccc

379

<210> 2306<211> 154<212> DNA<213> Homo sapien

aagtttctcn nnacacgata tgatggggtc ttgggctaaa ggaggtccct gctgtcctgg
60agaaagtcct agaggttatc tcaggaatga ctggtggccc tgcccaacg tggaaaggtg
120gcaaggaagc cttctcccat tatcccaat gaaa

154

<210> 2307<211> 384<212> DNA<213> Homo sapien

cggtgtgtc ggggtgcttt tgctttgat cccagctatg ccgaaggctg aggcaggaga
60attgcttgag cccaagaggc ggaggttgcg gtgagccggg atcggtcat tgcactccag
120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaccc acccaaatcc
180tttttttaaat gtatagggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt
360ttatcctgga attacccaat ttag

384

<210> 2308<211> 384<212> DNA<213> Homo sapien

cggtgtgtc ggggtgcttt tgctttgat cccagctatg ccgaaggctg aggcaggaga
60attgcttgag cccaagaggc ggaggttgcg gtgagccggg atcggtcat tgcactccag
120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaccc acccaaatcc
180tttttttaaat gtatagggt ttatatagat atactaatat aattgcattt ggagaattag
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt
360ttatcctgga attacccaat ttag

384

<210> 2309<211> 379<212> DNA<213> Homo sapien

ggcagcagcc cgagctgcc cctggctctc agggaccctg gccagcagc ccgggaagtg
60gccccggagc gtactcttcc cttgaggggg gctccctggg cacaggcccc ccttggagg
120caaccggcc gtgggggctc ccaggtggc ccccgcaca cggactcgtc ctgcttgtc
180acgcctccca gcactccact tggccctgag cctggggacc ccgactggcc agagtcggc
240ggccctgtg gaaaagcgt cccagagagg cagaggaatg gaccagcgg cctccgggt
300gcagctccg aaggagactc tgcagccctt gcggaggagt cccctccagc cccgtccagc
360cgagctcca gcaccgagg

379

<210> 2310<211> 380<212> DNA<213> Homo sapien

ggcaccaggc gctttgtgac tggaggtcat cgtgggcagt tctatcagt tgacttagat
60ggtaatctcc ttgactcctg ggaaggggta agagtgaat gcctttggtg cttgagtgt
120ggaaagactg tctggcctc agatacacac cagcgaattc ggggtataa cttcgaggac
180cttacagata ggaacatagt acaagaagat cctctatta tgtcttttac ttttcaaaa
240aatggccgat tagctttgtt aatgtagca actcagggag ttcatttatg ggacttgcaa
300gacagagttt tagtaagaaa gtatcaaggt gttacacaag ggttttatac aattcattca
360tggtttggag gccataatga

380

<210> 2311<211> 380<212> DNA<213> Homo sapien

cggtgtgtc ggcacttctc cctaagccct ctctgggctg aagctactcc tgccctgac
60tggggcccc tggcccagggt gctgcacct ggccacctgc tccaccccaa ccaagccgac

120cacggccgcg gcggcacact gtgggtggtg gggaaatggc ccgagccccc ccaccccctc
180ggccctgtct ccggaaagag gtcttccctc tcggaggagt gggagcctcc ccttctctca
240ccacatcttg ctgcgccagc gcatccactt ccttctccga accagcagaa cccaggttg
300gttcaaccaa agggaaggag ccaagagcct caaaggacca ggtgctttca gaacctgaga
360ccaagaccat gggaaaggtg

380

<210> 2312<211> 378<212> DNA<213> Homo sapien

cgttgctgtc ggccagagtg ttagaggtat ggggcagctt gagaagaaag ggaatggctt
60aaaaaagcca ctatgcagat caaaaaaggg aacagggttaa aggtgagtag aatactgacc
120agcccatag ataacaataa acaatgttaa atatgcgaat gacagaattg aaagtcatct
180aatgcaactt catcaaaggt gagtcaggct tggattgac aaaagaaaga ggaaaactca
240cagttagtta gtggagtcca tttatgtagt tatgtgttct acctttttaa attgtagtaa
300actgagtttg gtagatattg attctttcat acattctact ccagttagta gatattaaat
360atatacatat attttatg

378

<210> 2313<211> 152<212> DNA<213> Homo sapien

catgatatcc tgaaccacac ggcaggaact gaacctggta aagagaataa ggagtttggc
60ctgagaaaaag caaactcttg cattctcaga caatgaggta gatcagttac cctacttca
120agcataagag ggaatgtgc tctcagcatt tg

152

<210> 2314<211> 377<212> DNA<213> Homo sapien

ggcacgaggc aacctctgcc tccagggttc aagtgttct cctgcctcag cttccccaat
60agctgggact acaggtgtgc gccaccactc ccagctaatt tttgtatttt tagtagagac
120agggttttgc catgttggtc aggtgtgtct cggaaactct gacctcaggt gatccaccg
180cctctgcctc acaaagtgc gggattacag gcatgagcta ccgtgcctgg cctaaacctt
240acgcttttga ggttgagtgc aggccttggtg ataactaagt gctacttttg acgagccttc
300aacaagctgc ccagtcctct cctcagcaga cgcacaggt tgtagttgca tctttacagt
360ggtcttctct tttatct

377

<210> 2315<211> 377<212> DNA<213> Homo sapien

ccgagttgaa tcttctaage gcaagtctgc aaaggagaaa aagtcctctt ctaaggatag
60ccggccatct caggctgccg gggataacca gggagatgag gtcaaggagc agacattctc
120tgaggagcacc tctcaagata caaaagcctc tgagagctcg aagccatggc cagatgccac
180ctacggcact ggttctgcat cacgggcctc agcagtttct gagctgagtc ctcgggagcg
240aagccagct ctcaaaagcc cctccagtc tgtggtggtg aggcggcggg caccctgtcc
300tagccccgtg ccaaaactta gtcctccact ttccagcaca tcccagatgg gctcaactct
360gccgagtggg gccgggt

377

<210> 2316<211> 153<212> DNA<213> Homo sapien

ctaaatcttt tcttttctgt tctccttaaa ttgattgtac ttccaaattt gctgttatga
60tttttctcta atactgtgat ctatctgac tgcagacaag aacctgtct ctgttgaaga
120gcatcaaggg gagattatgt acacattgaa atg

153

<210> 2317<211> 376<212> DNA<213> Homo sapien

ggcacgaggt gtgttctctg tgtggctaac ttaagaagc gngtttctc agaattgata
60agaccatggc acaaaactgt gacgattggc tttggagtaa ccctgtgtgc ggttcttatt
120gcacagaaat cagagcctca ttcccttagt agtgaagcat tgatgaggag agcagtgtct
180ttggttaacag atagcacctc taccttctc tctcagacca catatgcgtt gattgaagct
240attactgaat atactaaggc tgtttatacc ttaacttctc ttaccgaca atatacaagt
300ttacttggga aaatgaattc agaggaggaa gatgaagtgt ggcaggtgat cataggagcc
360agagctgaga tgactt

376

<210> 2318<211> 378<212> DNA<213> Homo sapien

cgttgctgtc ggtttttgtg tttttagtgg agatgggggt taccctgtt ggacaggctg
60gtctcgaact cctgacctcg tgatccgcc gcctcgccct cccaaagtgc tgggattaca
120ggtgtgagcc accgcgctg gccagttggt acctaaactt taacacctt ccttgccgtg

180acgtccaagc cacccccctc ccacaacccc tgttccctctg gggaatacac tgtttttgca
240ctttacctcc ctaccagcag ctctttccag attgcagggg cgagctgggt ggaagcttgc
300agattgtttc gcactgccgt gtaatctgtg tgcttgccac tggggctctgt tcttccttga
360gttggtacag tgaaatat

378

<210> 2319<211> 373<212> DNA<213> Homo sapien

ccgagcantc gttttttgtt cgtgcttttc cctttttacc cctttttttg aaggttaagg
60aggcggagcc cctatttttt actggcgggg ggggcctttt aggggttttt aacccccctt
120gccccctttt taaaaaaaaa ccgttttttt ggggcttggg aaacttcgaa aaaatttttt
180tttaaaaaaa ggggcctggg ttggaaccgt ttttttccca aaggaccggg gcggaaaaaa
240aaactttaccc ttggtccaaa aaaaaaaggg gaaacctggg cccttcttag ggggaaaaaa
300ggcccgccgc ctaaaaaacc cgggggggta cctttttttt aaaatcaacc ccttgatgat
360ggggggagac ccc

373

<210> 2320<211> 377<212> DNA<213> Homo sapien

ggcagcagat ttgaagtttg ttaatggagt gacttgggcc caggaccag gaagttaagc
60agctcctcca cttcacccag ataacattga aaactccggg tgctgaccag ttttctgccc
120ccactccttt ccagctgtc accttctga gagtagaggt ctgagatgtc cagggtgtag
180attgggagaaa ccctggagag gagaagcaag agtcttctat aatctctaga taatcagtag
240cttagctaatt tgaataaaga actgaataaa tgattttaat tgaaatattg ccatggtaat
300gctagtgttg taataaagat gtggcatgtc aggaggaaag tgcaaccgat atttgggtct
360cctcaaattg ttagtct

377

<210> 2321<211> 377<212> DNA<213> Homo sapien

cgctgtagt ccagctact ggggaggctg aggcaggaga atcccttgaa ccaggaagg
60ggagggttga tgaaactgag attgagccac tgcactccag cctgtgtgat acagtgagac
120tcctgttga agagaaaaaa aaagggtggg gggctggttt ggaatcataa acataaatat
180tgaaagtgtt ggtgaccttt aatactaaa ttgtgtggtc tgcagtcggg gagcatagag
240atgggacctg gtatttaata ggttgtggtt gcaatcagca tggcctgagg gcccaggaag
300atcacacagc tgacacccta cctgctttcc ttccagttac tctgaccttc catgtctgac
360cctcctctcc aggetga

377

<210> 2322<211> 373<212> DNA<213> Homo sapien

ttcgttgtt gtcgggggct gcccatcacc ttctattctg ctgggatcag gttttcttag
60tgcttgagaa gactcaggag ggcctgtccc atgccattgt tggccttaag agcaagtgat
120tcagaagag gagtgggcac cactctcatc cagaggcccc tcctgagagg caagtgaggc
180tgtgtctgt gcctgggctc cccaggtgg cactgtcgg tctgtggacc tgggtgaggc
240aaggatgccc atctggacat ggagccgaca caggtagtca gggggccagc gggacgtta
300ccaacagctg tcttttcccc acctcagaat agcattcctt tcgaacacca cggcaagtag
360ctgctcgtct cct

373

<210> 2323<211> 375<212> DNA<213> Homo sapien

cgttgctgtc ggggcgttcc tgtcggggtt gcagcggcgg gagggagccc agtggaggcg
60ccctcccga ggcactgtc ccatgtgac caccagccc ttcggctgct gatgtcatga
120gtaacaccac tgtgccaat gccccccagg ccaacagcga ctccatgggt ggctatgtgt
180tggggccctt ctctctcatc acctggacg ggggtgggtt ggctgtggta atgtatgtac
240agaagaaaaa gcgggtggac cggctgcgcc atcacctgct ccccatgtac agctatgacc
300cagctgagga actgcatgag gctgagcagg agctgtcttc tgacatggga gacccaagg
360tggatcatgg ctggc

375

<210> 2324<211> 377<212> DNA<213> Homo sapien

cgttgctgtc gggcagctca cgaattgtc atgagatggg gtgttcccag tcatgcccac
60ggcatctctg cctcctcggg cccacctgc ctgcctgtt ggctgagtc ccttcagctg
120tgtgggcttc cctgagtggc ctgagtgagg tggcagaagg ggtgagaggc catggcgtct
180ttggggctgg tgagccgat ctggccatct gtcacctctc aggcgtgcag gcactaatcc
240ctccaagcct cagttggcca cagtgagaag gggcctggta acactgtcct ggatgccagg

300ttgttgtagaa ggacccggct taacctctgg caggaaggag gtgctcacga ggtgggcaca
360ggcagagggc tggctgt

377

<210> 2325<211> 377<212> DNA<213> Homo sapien

gccgtcaggt gcgggcccag gtggcaggcg cggccgttgg gcaactggggg acgcgggcgc
60gtcaggtgaa gactgggggc cgcaggcgcg ctaggagaac tatgccattt ttgggtcagg
120actggagatc tcctggatgg agttggatta agacagaaga tggctggaag agatgtgaat
180ctttagtca gaaacttgaa agagagaata accgttgtaa catcagtcac agcattatct
240taaatagtga agatggagaa atattcaata atgaagagca tgaatatgca tcgaaaaaaa
300ccattttaga aatgacacaa atactcaaaa ggcattggcta ttgcaccttg 360ggagaagcct
ttaatcg

377

<210> 2326<211> 368<212> DNA<213> Homo sapien

cgttgctgtc ggattgccaa agagtgaata tgtggctgag tgattgatga tggctctgaac
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa
120gacattgggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt
240ccacatggcc aataaaagtg aggggtctaca aggtgagatc caggggccag agttatcaaa
300gtgatacagc accttttagga ataggacagg gaatggagga attggaattc cagtattact
360ttcaaaaag

368

<210> 2327<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggattgccaa agagtgaata tgtggctgag tgattgatga tggctctgaac
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa
120gacattgggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt
240ccacatggcc aataaaagtg aggggtctaca aggtgagatc caggggccag agttatcaaa
300gtgatacagc accttttagga ataggacagg gaatggagga attggaattc cagtattact
360ttcaaaaagca gt

372

<210> 2328<211> 150<212> DNA<213> Homo sapien

gaatttaaca cangnggata ccgaacttcc attctttagt cattccaggc ggatctgagt
60tttatattcg aacttttaac acagcttttg agttttgagt gacttgaatt ttaatatctt
120nttttaatac gtacgttaaa tgaacatag

150

<210> 2329<211> 368<212> DNA<213> Homo sapien

ggcagcaggt ccagggtaca gttccttttag aggttctctca ggtgaaacca aagagaactg
60atgatggcaa gggattaggg atgcagttaa aggggccctt ggggcctgga ggaagggggc
120ccatctttga gctgaaatct gtggctgctg gctgccctgt gttgctgggc aaagacaacc
180caagcccggg tccttcaagg gattctcaga aaccacttc cccactgcag tcagcaggag
240accatttgga agaagaacta gatctgttgc ttaatttaga tgcacctata aaagagggag
300ataacatctt accagatcag acgtctcagg acctgaaatc caaggaagat ggggaggtgg
360tccaagag

368

<210> 2330<211> 372<212> DNA<213> Homo sapien

cgttgctgtc gcttattatt gctattaata ttagtttttag ctgccaataa taaattgagt
60tactgttgat agcaatgtca atgtcaaata taatacttg aagtttttat ctcaacacat
120ttcttttctg aacctcagag ctgtatgtcc aactgcctgc ttacttcagt atctccactt
180gaagatctta aattcatatc cgtttgctta aacctgaact catcgtcttc ctccaactgc
240tctaccaca gctttcccca tctcagttga aggcagcgcc atctcccact cctatcgctc
300aggacagaaa cctcaggtt gtccctggct ctttctctca gctctgcctc ctaaatatgt
360ccatcatcca cn

372

<210> 2331<211> 367<212> DNA<213> Homo sapien

aattccgttg ctgtcgggtg cagggccttg gatgtcaggc caccctgtgt ggggtccctg
60ttggcagcca ggtccctaca caaacaagta atcctgtttg gcctcctagg ttttgcata
120gacctgcagc ctaatttggg gtgtagggga agctctgctg gcccttgctc ctttgtatgt

180tgggtgactt taatggctgg ccacataccc ctttctccca gctactcatt cactgacttg
240ggtaagttct aagacagttc gcacttagaa aagaatgtga cacatcaaca ttaacttttc
300ctgaaaagaa gagtttgctt aacatggctc taaagaagct tggaatttat aagactttcc
360tttataa

367

<210> 2332<211> 367<212> DNA<213> Homo sapien

aattccggtt ctgtcggact tggcaccctc tgtgccctgg ggcccctgcc cagctggctg
60ggccacctcc gtgtctgggt tcatcggcag tccccaaagac ggtgctccag gcccttagac
120agggagtgcg atcccacggc agtgggcagt cctgtcccgc gagcccggcc ctacgtctga
180gtggtgctga cctctaactg tggacgccaat gctccatcct cctgggtgggt ggcggcgggg
240cggggggggc ggccatgctg ggcagcccac acaagccact gtcacctgct gtcgccacct
300ggccgacctt ggttgattgg ggaatgctgt cagccccgca gccctgtggt ccatagctgg
360ggcccgcn

367.

<210> 2333<211> 364<212> DNA<213> Homo sapien

cgatgctgtc gatctttctg tgtttttta tactctttta gggttggctt ttacaaaacc
60atgactttcc acttgctgt agttttttgt ttgctttgggt ttggtttgat ttatatattt
120tttctcctaa tctatgactt tattgttttt tcttaggtta gtaatagcat ctttgatcct
180gtgcttagca tgttaggggtc attatacctc aggaatagca agctgttaag taaccatact
240gaattaacta ttttaattaca gtgagctcat ctcttaaaaa ttgttcaggt gtaaatctta
300tgagaaacat gaaaaagcac actgatttat ggagagttga gctaaaaaca ttataaata
360tttg

364

<210> 2334<211> 366<212> DNA<213> Homo sapien

aattccggtt ctgtcggcat cttttatgta cacttgctta ttcagacaag atcctcatga
60tttcagaaaa aatatagaga gggtcctaga ctgcttaata gaggaaagaa gtatcctgga
120aagcttggtta agaacgttct agagccacaa catgattgta ggccaagggc ttgtttttgt
180gaccttgatc taagataatg ccatgggtga ttgtatgttg gaagaatctt tgattggaat
240ttggagtaat attaaggtag ttgtctttt ctgcagacat ttttaggagt ctttttgtgt
300gagtggtggt ggagtgtata gttttgttga acctagttaa attctgaata tcttccact
360aaaagc

366

<210> 2335<211> 364<212> DNA<213> Homo sapien

ggcacgagac ccgggaggca gagcttgctg tgagccaaga tcaagtcact gcactccagc
60ctgggcgaca ggtgagact ccatttcaca aaaacatgac ctggacaggg ctgaaccgga
120aaaaaattcc ggggggcttt tcaaaaaaga tctttagggg gaaaaaatt ttttaacca
180agacccaaac ctaaaacccc caaaaggga aaccggacaa acttgcccc tggttttttg
240gggaaaaaca accttccggt taaaaacca aatgggggccc gggggttttt ctgcccgga
300ccccaccat ttgggggggc aggggcaacc cccctttgg gcctaggagt gggaaacccc
360ccgg

364

<210> 2336<211> 147<212> DNA<213> Homo sapien

cgcgtgtac gttcccatat ccaaatttgg aagaaaccac aaggctgcct ctgactgagg
60ccacaaatgg gcacatagtt taccttcact tttgaaaac catattaaga ttgagtcagc
120actccatag actgcttgat gaccacn

147

<210> 2337<211> 359<212> DNA<213> Homo sapien

actactgctg cgagaatacc acagaaggggt ttcggggcaa gaatatacgg aaggggaggg
60gctagatgca agcagagcac atccccggt taaagcacta tgggtggctt acagtgcgct
120tagaaaaaag agaaattctt ttatacaat ataagttcct gcagaatgca gacactttct
180acttctccag gctcttttca actcctctcc tactagcttc tgtatttaag ccacattaga
240cctttcttca gttttttata tagactttgt tgcacacac ctgagagatt ctgtgcatgt
300tcttctcctt gcctagaaag gatcgtccct ccactttcac caactaatcc cttctcacg
359

359

<210> 2338<211> 144<212> DNA<213> Homo sapien

tcattttgat aactagcttt ccaggtggac ttagccatag gaaaatatta ctaatgtaat

60ttaacaaatt gctgcatgta tttcatttaa aaatatgctt aaaatgtcct aaaacaaata
120attatctccc taagaggatg catt

144

<210> 2339<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggacc ccctaccccc tctaagggtc tcaccaattg
60ttcttttagcc agagactcct tctacccagc tcgccagcca cctttgtgca gtggagggtg
120agaatgcccc aaggatgcac gtaatggacc agcctttcca gcatttggct ttggctccca
180gaaattttga gctttggcaa atcttacaag ctctgtgagc ctctgtttcc ccatgttctc
240atattcagag gtgctgggct ggactccccc tgccagttcc ctgagctgtg cagggactcc
300tgctctgcat ggtttgtttt ggtgctcatg ggaccataag tg

342

<210> 2340<211> 188<212> DNA<213> Homo sapien

cccagggtag cgccagcgcc aagatactgg agagcaagtg tccagcccca gcagccaccc
60cgcccttcac accaccaccg aggacagtgc aggggtgcac actgagttct aggccagtgg
120gtccctgact gctgcacatg gcacaggccg ttccttccg gaccagga ggctcagctc
180tggggagg

188

<210> 2341<211> 460<212> DNA<213> Homo sapien

acaggggcat tggannnnn ctctgtcct tttgtgacga tcccatcgat tctaattccg
60ttgctgtcga atgacttat tttatatggg atgatacaca taggttattt gcaaatacta
120cactatttta tatgagagac ttgagcattc gcagatttcg gtatccacgg gaggtcctgg
180aaccaatccc ctatggatac caagggactg ctatgtatta caaagccaca tgctttggaa
240ttacttcagt ggtccttcta ttttcattaa cactgatatc tagtttaata tgaaaaggaa
300cttgaaatct tgaaaattag aacatcggtta ttttttcta cttgcaatgg aaaatctatt
360ttgctttttt gcttctagga aaatattctg attatgatat gtgatatgtt ggctactcaa
420agtcagaact tttcaaagta atcagtaaat tgaatcaaca

460

<210> 2342<211> 465<212> DNA<213> Homo sapien

ggtcttcgta ntttcgnnnn atcccatcga ttctgtcga gtaaagtatt ttcacttctt
60ttcttcttct caatcttctc aatcacctgc ccttagaatc tgagtggctc taacctagac
120ctcttctgctg ccgagattta tacaatgtgg ttgttttccc ttatcttgac taatcttccc
180gaatcttaca ttgtgcctta atttgacat ctgcacctct aatgtctgcc tatattatct
240ccttggtcga caaggacctt gtgggagagc tgctcacatc tcaacatgta aataaaatgt
300gcctttgggt caacacagga gaggtgattc caacgttaac aagttgggtc aggaaactgt
360cagctgttta tttttatttc aatctcttct gttaaactat aacacactga ttgagcaact
420aaacactaat atgcagagag gaaaaaaca caaaaaatat attgg

465

<210> 2343<211> 466<212> DNA<213> Homo sapien

gcctacgtag nccctgnan gttnnnatag attccagtc cgttgttgc gcaacattca
60gggcttcate gaagagtttc ttcagatctt cagctccttg ctgcaggaga ggaggttccr
120ccgggactat tatgcactct tccccgaggc cgaagacatc agcttgtgc agcaggcctc
180atcagctctg gacgagacgc ggactgctta catcctccag gcagtcgaga gtgcatggga
240aggggtgcac agacgggaaag ccacagatgc taaagaccca tcggtgattg aggagtctaa
300tggggagcct aacggggtca cggtagacgc agaggcagtc agtcaagcat catcacatcc
360gggagaactcg gaggaagagg agtgcattgg agcagccgcg gctgtgggac ctgccatgtg
420tggngtgga ctggactctc tcatctccca agtgaaggac ctgctg

466

<210> 2344<211> 453<212> DNA<213> Homo sapien

cgttgtgtgc gccagggtac ttctcgttg atgtgaataa tgtggtactc attttaaatg
60gaagagaaaa agcaaagatc ttttatgcca cccagtgggt actttatgca caaaatttag
120tgcaaatcca aaaactccag catcttctgt ttgttttgc cggaaatgaa catttgtgata
180atgagtggat aaacccattc ctcaaaagaa atggaggctt cgtggagctg cttttcataa
240tatatgacag cccctggatt aatgacgtgg atgttttcca gtggccttta tgagtacaa
300catacaggaa ttttctgtg gtggaggcaa gttggtcaat gctgcatgat gagaggccat
360attttatgtaa tttcttagga acgantttag gaaatcatc cagacaggca ctaatgaaca
420tttttgaaaa agattggaaa cgatagcgtt gtt

453

<210> 2345<211> 423<212> DNA<213> Homo sapien

tgcgttctttt tgcggagccc gtcgagtcga attccgttgc tggccgctta ttactttcat
60ataagaacat tacagggttg gtttttcttg catgggtggc caccataatgt ttaaggagtt
120ctggtacctc ttcctattct ttattctatt cgattccatt tctgtgattc ttttattacc
180actgatgttt tgcgatagtt aactatgata aatttaactg atcatgattt atcttctaga
240gtattttaat aatgtatgag tgaccacca attccaacat taaaagtgt atctgggccc
300ataatttata gtgaaattgt atcaaacat agggaaactg tattactggc cattttgaaa
360atatgaaact tgagtattga aatatcca acatggaatg gcagtattct aatttcagtt
420agt

423

<210> 2346<211> 425<212> DNA<213> Homo sapien

ggcagcagag aaactggtgc tagattttat ggatcaga ataggaagtt atttgttctg
60aatcttcagg tgggttttct tttctcttaa atgttaccac tttcctgcaa atttccatcc
120ttaatatgtt agactgttca tatagatata ttgtgtttac aacaaggaaa aaatgccacc
180atgtgtctcag aacttttttg acaggatttt tgagaagagt tgcggaacat tctggtaatt
240gtagagatc tgttggcatc tctgttcac aaactggaaa aaatcatttg taagtcttgc
300taattacttt tcttgagaa gaaaaaaat gctacagctg caacaaatgt atagttttca
360aaaagaaaca acttttttgc tccccagtt attcttagtt tccagccac gccttgcgat
420agcgg

425

<210> 2347<211> 429<212> DNA<213> Homo sapien

nnnatcggca cgagattttg cgtgaattat ggtgtaaga ccttgcccac ttaggttttc
60tatctctgtc cttgatcttc ttgtccaaa tgtgagtata cagaaatttt ctgtatatt
120caacttaaga cttttttagc atctgtatag ttgtattca atttgagacc ttttctatgg
180gaagctcagt aatttttatt aaaagattgc cattgctatt catgtaaaac atggaaaaaa
240aattgtgtag tgaagccaac agtggactta ggtgggatt gaatgttcag tatagtgtc
300tcacttagga gaatttgcag gagaaagtga tagtttattg tttttcttc gccatattc
360agntttgttc tacttctcc ctttcttcc agatgataac atcacatctc tacagtaagt
420gcctctgcc

429

<210> 2348<211> 425<212> DNA<213> Homo sapien

cggtgctgtc gcagctgtgt tcaactacca ggtacctgca gaaggcctac aggtgcccag
60gacttcttt aatgtgttct tctttatgt gattatttga ttaattcttg cctccccac
120tagactgtaa gtccttgaa ggcaagaatc ctgtgcttat gctcaatatt agctctcct
180tggcacagag taggcactca acaaatgctc cccaaaaggc tgagtggctg actgaattaa
240gtaccagtga catgcagtaa ctgctaagat agatgagcca tctgtatgct ctgacagtta
300cagactgaat aagttggaga ctctcctaaa ggggtggcatt tccccagggc aacaacgcaa
360agctcangtg tgggaagggt ccaggggcag ggggtgcaaag gggctgaggc tgaggggggt
420gcaa

425

<210> 2349<211> 423<212> DNA<213> Homo sapien

ggcagcagga ttaaaatcat acaaatggtg gctgttctga gaatcagttc gggattgat
60tgctttttcc agtgactggc tccaggccat gtctaatac cagctcgatt cctgtgacg
120ttcagagagc aagtgaacce aaccaacaat gtcgtcatct aagccctgac cctagccagg
180gactcccatg ctgctgttgg ctccatctct ccacactgcc tctttctttt caactttttg
240cccttcttt cttaaagct attctcatat tgcttttatt tcttctctt tccctccaa
300ccactgtcag cagcactctg gagttttcaa atgtcacatt agcctcacc tgcagtctag
360gagatggacc tgtctctata cagcagtaga tgattgataa gtgaggaaac tgaggcttac
420aga

423

<210> 2350<211> 425<212> DNA<213> Homo sapien

cggcagcggg ggccgtagct ccacgcatt ttatgtttct ggcgagaagg gaacggagtt
60ttcatcaggc agattggtt ttgtgcggc gtcctccacc gtttctcca ggacagcacc
120tagtctgtggc cggaggagtc tcagagctgt cagaaagaat aagactgatt ttatgggaaa
180attaagcaga tgcctcagtt tgagaaacct ggatctgcga tctgtttgtg gtaccagcat

240caagatgatt tatggttaata agatataaaa ccaaggaaaa taacctaaag tctgaaaaag
300accagaatcg aagtttccctg attcatattt taatgttttg aaatttatac tccaggctgg
360gtgcagtggc ttgtgcctgt aatcccagca ctttgggagg ccgaggcggc cggattgcct
420gaagn

425

<210> 2351<211> 429<212> DNA<213> Homo sapien

ggcacgaggg acttcgggtct ctgcggggac gtccacgtgc ggctgcgcca gcgcacatc
60ttgtacgaat taaagggtgga gctggaggag acagtgggtgc ggcgccaggc tgcggtgcgg
120acgctgggcc agcaagccag ggtttggttg gtgcgggtgc tgctcaacct gctggtggtc
180gcgctcctgg gggcagcctt ctatggcgtc tactgggcta cggggtgcac cgtggagctg
240caggagatgc cccttgcca agagttgcca ctgctgaagc ttggggtgaa ttaccttccg
300tccatcttca tcgtgggggt caattttgtg ctgccggccc gggtaagct cattgttca
360ctggagggt acactcggag gcgccagatc ggttttattc ttgtcaagac cgtgtgtctt
420tgcttcgg

429

<210> 2352<211> 428<212> DNA<213> Homo sapien

cgttgctgtc gaaaaaagag aagttcgctt tatggacaga ctctgtgaat ggaatttgc
60ttataattgt gagtagttct gaattagaaa agtatgtgaa ggaaaggcag ctgtaaacgt
120attgtgccct ggagagttgt acacatgttg aaatgtaatc tgggcttacc tgatccattt
180ggagtggatg tctctgccga gtctgttctc acatggaacc atgtgtgtgg ggttgccagc
240ctcacagata caatcaatcc tattccctc tgacataagg aactcctctg gagtggcaga
300gtcttatcac agaaggcagc caccatttca ccaaacaaga agttcacggc attcaattcc
360tttttcttt agctatttat atatgcagta ctctcagta tatgcagaaa tactttttt
420tttttaag

428

<210> 2353<211> 432<212> DNA<213> Homo sapien

ggcaccttgg ctcccgcca ggaggtggac acccatccag aggcctggct caaggtgacc
60tcaecttcc catgggtctc ctgggtgcgc gggcctgagc gcaggttgtt ttgtacatat
120tggaaatagt gttaacttat gcccgcac ccaactcaca cggaagcacg ggtcttctct
180cagtcctctc gctgcatttg gaaagcagtc tctctcggg ccagcgccgg gctgaggtgt
240ccagagggcg cggcagctgg cagtgcctc agcccccaag tgtccagcct ggcacttccc
300attcagccca cctgcttttg gtcaacagtt cctttgccag cagcatctcc taaattgtaa
360ggactctgtc caccggggcc ctcccagggc tgtgaggaca gaaacaggca gggagtggag
420ctaacagctt at

432

<210> 2354<211> 437<212> DNA<213> Homo sapien

cgttgctgtc gggggacca ggcgggact gctgtggtga aggtccggga ggctgagtaa
60ggggacggaa gggcacaggc catggaaagg aatgacatca tcaacttcaa ggctttggag
120aaagagctgc aggtgcact cactgtgat gagaagtaca aacgggagaa tgctgccaag
180ttacgggcag tggaacagag ggtggcttcc tatgaggagt tcaggggtat tgccttgca
240tcacatctga agccactgga gcggaaggat aagatgggag gaaagagaac tgtgccttgg
300aactgtcaca ctattcaggg aaggacctc caagatgttg cactgaaat ctccccggag
360aaagcccccc tccagcccga gacgtctgct gacttctatc gtgattggcg acgacattg
420ccangtgggc cagagcg

437

<210> 2355<211> 431<212> DNA<213> Homo sapien

ggcacgagac aggttctaaa gaagtaccca cgctctggt gcatgacca gccccctagc
60cggcgccga agctttacat cgtgaacctg cagtggacc cgaaggatga ctgggctgcc
120ctgaagctac atgggaagtg tgatgacgtc atgcggctcc tcatggccga gctgggcttg
180gagatccccg cctatagcag gtggcaggat cccattttct cactggcgac tccccctgct
240gctggtgaag aaggcagcca cagtcggaag tcgtgtgca gaagcaaaga ggaggccccg
300cctggggacc gngtgcacc gcttagctcg gccccattc taaggggctg gtttggcagg
360ggcttgacaa aacgcacaaa aaggaagaaa gtgacgtaat cacgtgctcg atgaaaacaa
420gttgacttt t

431

<210> 2356<211> 427<212> DNA<213> Homo sapien

ggcacgagag acgctctttc ggtggctgtt gccacacgga ggcaagagtc tctgtctgaa
60taacgagctg aagaaaggac cagcgtgtt tctgttcata ccttttaatc ccctggccga
120aagtcacctt ttaatagacg agatcaccga agtggccttg gagtacaaca actgtcatgg
180ggaccaggtg gtggagcgtc tccttcagca cctgcggcgg gtggatgtc cagtgtcggg
240gtccctggcc ctggaagtgc cggcacagct gccagaccg ccaacgatca cagcgtcccc
300ctgtcgaac actgtggtgc tgccccagtg gacttccttc tccaggacce acaacgtctg
360tgaactctgt gtcaaccaga cctccggggg catgaagccg agctcgggtca gcgtgccaca
420gtgcacg

427

<210> 2357<211> 427<212> DNA<213> Homo sapien

cggtgtgtc gccaaactcca aactgacctg ggccgaggct.gcctcgtgag cctcccagag
60cccaggcctc cgtggcctcc tctgtgtgta gtcccaccag gagccacgtg cccggccttg
120ccctcaaggt tttttgcttt tctcctgtgc acctggcgag gctgaaggcg aggggtggag
180gagggccccag cacagcctca tctccatgtg tacacgtgtg tacgtgtgta tgcgtgtgtg
240tacgcgtgtg tacgcgcgtg tgtacacatg cgtggccgcc tgtggtgtgc acgtgtgtc
300tggtctccga ggcttctcca gagctgggag ctggctggcg tggcaaggcg atgctctggg
360gcagtgtgtc cctcaggaac cagggtctc cctccccttt ctgctgtgtc agccccgtgg
420nctctgg

427

<210> 2358<211> 439<212> DNA<213> Homo sapien

ggcacgaggc ggactctaaa tgctctggac aaggatgtgc acgcggtggg caaggctgac
60ttgggcagag gctccggggc cagggtgtcg agggctaaag gccagggca gcagcgtgcc
120ttgggggctg gaggaattcc aagaagggtg cagtggagga ccccgcaagg ggaccgccct
180ctggggaaag atggagcacg caggggccag acaccagggt gtgtagggca ggggtgtggg
240actcaccgg ggcccctggt tcttggggca actggccac cagccctgcc aggtcagggg
300gtttcctgag tgtgcaaagc ttctctctcc ttccttgccg attcttcctt ttaacagtga
360ttntagttat ttactcaaca agcatttatt gccgggcgcg atggctcatg catgtaatcc
420cagcactttg ggagggcga

439

<210> 2359<211> 429<212> DNA<213> Homo sapien

acctaacttgn nngnttgga ggtatctatc gatataatt cggcacgagg gatgctccat
60ccaaagtga ttatgcctac agacctggtc cctggatttt tggccgagat gattcctacc
120accttactac tgacgaagac acccattcca gtggaccact gtgaccagg aggcattcag
180ccatcatgat gtggccttta cctccactcc tgtcttgttc taccagatt cagcacagcc
240ctttatagtg aagacagagt cctcaagcca aatagctaaa gctgttttat cacaacaaag
300gcctagtttg ttccatgagt gtgcatttca tttcttcagt taaagccttc agagacacac
360aataaatttg gaccagggga ttttttagtt attaatgtc tctgaagaaa ggcaacatct
420ttttgagag

429

<210> 2360<211> 424<212> DNA<213> Homo sapien

gttcggcacg agcctacaca tcccggagg ccgccacaag ctgaaccca gccagaacgt
60ggcggtcagg gaggtcttg agaagccttt cacggtcatt cagggccac caggtacagg
120gaagacgac gtgggcctcc acatcgtatt ctggtttcat aaatcaaacc aggagcaggt
180gcagcccgga gggccccccc gtggggagaa gcggctgggg ggtccctgca tcttgactg
240cggccctcc aacaagtcgg tggatgtcct ggcaggactg ctctgagaa ggatggagct
300gaagccctc cgtgtgtaca gtgagcaggc tgaggccagc gagttcccag tgccgcgtgt
360gggcagcagg aagctgtca ggaagagccc ccgggagggg aggcgaacc agagcctcag
420gagg

424

<210> 2361<211> 415<212> DNA<213> Homo sapien

ggcacgagct ggggggaggc ctatagcaca gaggctctgt cctttgaggg tgactgaacc
60aacaggggaa agcgaggcat ggtgaaaata gccatggatg gccaggctgg tctcgaactc
120ctgacctcaa tgcateccac caettcgcc tcccaaagt ctgggattac aggcgtgaac
180cacctcgccc tgcaggagtt gattttaatt atgaaccatg attaaggaag gcaatgacca
240cttatgattg ggggtataac gtgtattctt tcaactatct gtgccttggc tcttgctac
300ttggatcaga gagcagagag aatccttcat aaagaacaag gaaaaacagg tgaagttatt

360aaattaactg atgtaaagga cttctcctta cccctgtggc ttatatttat catct

415

<210> 2362<211> 413<212> DNA<213> Homo sapien

ggcacgaggt tagaattaaa gcttatattt ctaatcaacc catttacagt atttcactta
60gcctatacct tattttagca tgagagcata atcttacact ttcattgctaa aataaggtat
120aggctaaggg aaatactgta aatggggttg ttagaattaa agtttagaac tctaaatctt
180atgcttattt tttaaagaaaa aagttgcctc actgtcatga aatcctgtta ctttcattaa
240aaaaaaaaat cttgtaaaat ggttaaattg gataatgtaa gacataatga aggccttgag
300gcatttcata ctttaccagt ttacatttgg ctaacatact ggtaaggatt agggttctct
360ccactatttg aaaattaaat gctaaacgct ctaagaatta cgttgatttc aan

413

<210> 2363<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt tagagataga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gagagagaga gtgagagtgt gagagacaga gagagattga
180gagcgcccc cccctctttc tctccctctt ctttgtttt tttttttcc cctctctctc
240tctctctctc tctctctctt tcttttttc tctctctga ggggtggccc cctctctctc
300cttctctctc tctcgcgccg gcgctcctt tttttgttg cttctcttgt tgggcccctc
360tctctctctc ctctctccct ctctcaccct tctcgtgtg tgttcgctcc ctctctcccc
420cc

422

<210> 2364<211> 414<212> DNA<213> Homo sapien

ggcacgagct ggacttaaac attactggaa ttttgtgtaa atggtttctt acaagatttc
60acatctttac aattctgatg cttttttaa aaaactaac tttaatatct ccatttaaaa
120ttaaaagaaa tgggaaattg cctacggagc atattgcttt tcagatcata ggtatctttt
180ccaataactt tattgtaaat tttaaggag tttcgttgga ccttagagcc ataccttcac
240tgacatctca tccgtttgtg ttccaaaag ctgcttttac aggtcttagc cgccgccccg
300gaggccggtg tggcggtgac ctgcatgct ccacctgcy gctacgggag aagtcttagt
360aacttggatc tggagtcttg aaaaacacaa acctacaaa tgcattcttc ttg

414

<210> 2365<211> 405<212> DNA<213> Homo sapien

cggtgtgtc gcaggcacac aggtcccggg gcacaggag aaaggctggg tcttgggacc
60ttgtctccc cagtggcct actgttacac attaaaacga ttgcccagc tcanaaaaaa
120aaaaaaaaaa aaccttcggg ggccgtttt ttcgtaaaac caaaactgaa aaaaaccctt
180ggggagttgg gacaaccccc ccttaaaagg gggggaaaaa aaggcttttt ttggaaatt
240ggggaagctt ttgtttttt tgaaccctt aaaaccgga aaaaaaagt aaaaaacaa
300aatggctttt tttttattt taaggttcag gggggggggg ggggaatgt nnnncnnc
360ccnccnncann nnnntnccca aacaaaaatn cccaaaaaaa acccc

405

<210> 2366<211> 406<212> DNA<213> Homo sapien

ggcacgagca cagtcagtgt taaagatgt tatgtatatt actatacata taaattgcac
60agcggagtat acatgtcaaa tcatattaat caaaatttat ctacgttcc tttaacaat
120ttatcctata atatggatat taggcctctt tttctactta gctccagttt aactacgtct
180aggctgatgg tataaaaaatc acatgaaatg cgcaatggcc tatttcttat tagaaacctt
240aaatggacat ataccaaatt atgagaatta taaatgtagc acaaaggata ggggtgagtc
300taaatctatt ctgtaaagat gaaagctctt attttctaaa tctattctat aaagatgaac
360tatttttttaa tctataaacc tcctttaagg gacgcagagc attcat

406

<210> 2367<211> 406<212> DNA<213> Homo sapien

ggcacgagt tagatctcaa ttaaagaact aaccaggat acctgaacta aagagaggtg
60gcactgagtt tcatagaac ttcaaaacaa ttggttgatt tcacttaaaa aaaaaaagtc
120attcaatata cagaaaaatta ctcccctggt cagtactgtt agcccaaat aatctgaaaa
180aatttgttct taaaaaaaaa acaatttgg aggccaggca tgggggttca tgcctgtaat
240cccagcacat tgagaggcca agttgtgggc atcacttgag ccaggagtt tgagaccagc
300ctggacaaca tggggaaacc ctatttctac aaaaaaatac aaaatttacc cgggcatggg
360ggcgcatgcc tgaagcccca gctactcggg aggctgaggc ggaagt

406

<210> 2368<211> 407<212> DNA<213> Homo sapien

nncccnanaa ttcttggtat tctgctgctg tgaatagggt tacttattct tttacatat
60attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa
120acatcacaaag gttaaatattg gtttggtgga aagaattatg cagtaaagtt atttataagg
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa
240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc
360catgccttat tttccatttt tgacaccgca nagtgcattt tctgtcg

407

<210> 2369<211> 407<212> DNA<213> Homo sapien

ggcagagat ttcttggtat tctgctgctg ggaatagggt tacttattct tttacatat
60attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa
120acatcacaaag gttaaatattg gtttggtgga aagaattatg cagtaaagtt atttataagg
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa
240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc
360catgccttat tttccatttt tgacaccgta aagtgcattt tctgtcg

407

<210> 2370<211> 407<212> DNA<213> Homo sapien

ggcagagac aattccgggg taaattaatt tcttagaaat gtttcagaga ataatacttt
60ctgcctcaaa agtatgcatt tattatgtat caaataaaat tttaaattta gagaacattg
120aagaaatag agatcagaga aatcaaagat tattattaaa ttacatttct tttggtatct
180cctgagattt ctacgttatg cattacttgt attcattcat ttattcatca aatacaatat
240ttatctaaaa cctgctatga ccaagactgg gtgaggaact ggagacatag ctattaaaaa
300aaatagtatt tatatttata aatgatgaaa caaaaagaaa aaatagaagg tgaatcggtg
360ggtaaaaaga gacaatagac taccagccaa tctcaatgtg tgaaccn

407

<210> 2371<211> 422<212> DNA<213> Homo sapien

nnnnnnnctt taatcccagc actttgggag gctgttgcgt atggatcgcc tgaggttggg
60agttcgagac cagcctggcc agcatggtga aaccctgtct ctactaaaaa tacaaaaatt
120agccagggtg ggtggcgac acctgtagtc ccagctactc gggaggctga ggcaggagaa
180ttggttgaac ccaggaggcg gaggttgagc tgagcagaga tctgtccact gcaactccagc
240ctgggtggac agagcaagac tccgtctcaa agaaacaaac aaaaaattaa aagggataga
300atataatgaa atatattttg aacttaaatt atattctata tgtgtatctt cctaggcaaa
360agctgtaatt tccagagaga ccattaggaa caggtagcat ctatttttct ccattattta
420tt

422

<210> 2372<211> 168<212> DNA<213> Homo sapien

taaaggactt aaacacctat gcgcgatgat aaagagggtg ctattatagc gcttggaaaa
60taccaggaag ttgagagagt taacagaagg gcgcacgctg gattggccac aaaatcgaat
120tactgaggcc actactgatt aggacactta tggagaacgt gggtagca

168

<210> 2373<211> 410<212> DNA<213> Homo sapien

cgctgctgtc gatagatatg tatgtttgca tataggcaca tttagctgga tgaagttaga
60tttaaatggt ccaatagaga actgtgcata caattacata ggcaaccaca aatcaaccct
120ttctctgggc tatctaaaat aatcaggtac tagaccaaaa aatgacatgc tgtctgcctt
180acctttttagt gatgatttgt aggaagagga aggtaggggc tggtagtggtg aaaagtagta
240gaggttgtga gggaatgttc tgtatgtctg aagacaaagt ctggagattg gtgggccaga
300aggtgtgaat ctactctgaa ggacaggcaa ggtccagcc cagggaataa ggtgcagatg
360ggtaggattt ggggtgggtac ttgaattaaa aaaatgaatt tgcgaggcat

410

<210> 2374<211> 422<212> DNA<213> Homo sapien

caagagactg acccttgaag ctcaactggc gcatgggagg atatgggtgt tgaaaaacat
60ctggaagaaa gggggaaaag ggagcagaga aggcaacca caacagctat tatagatgca
120gatttttgag gcagaccgcc tgggatttaa aactttgtc tactactttc gagccatgtg

180atcaagctaa tgaaacttta aaaaccttac tttctttaat aagtaaaaaa tgaaaaataa
240tacctgctct tgagattgct aagattaatg aaagaacgta tgagtctgtc aaatgtcctg
300gtccacagaa gggactcaat gactgtgttc cctttgttct tgctaggatg tgcattaggt
360tacagtgtag ccacttgata gcatctgaag ggatcattac cttgctatat ccaacaaatg
420tg
422

<210> 2375<211> 406<212> DNA<213> Homo sapien

ggcacgaggc cagtcacgag gatggtgtcc tggagtcttg tccaccctct ccatacaagt
60ctcaaaagtc atcctcctac tcagtgtatc acgtttagt gtttatatta ttaaggtttg
120attcaaacag agccttttct gtcctgtaga taatctacat gttttagaa ttattttgaa
180tatgtttgag gaaaatgttt aaaatctaaa tatactcaca taacttgatt attcactcct
240ctgaaaagat gctggatagg ctaccaaagt tcccaagtgg tagataatc agaagacttg
300tttgaatttg gatttttttt ttttttgag gggggaaggg tataaggggg gctaaaaatt
360tgaatcctta ttatttttat ttacgggaga atttacacca tctccg

406

<210> 2376<211> 420<212> DNA<213> Homo sapien

acatgatctt tatgcaggat ccatcgaga tcgcttttac cacggccata tggccagata
60acttttcaaa agcattagtt aaagaattct gattagtttg aattagaaac aaaactcaaa
120gaacatgacc taatttaaca ggtaatttg aagtgcattc gccaaagtaga agaccagcaa
180gaaaaaaaaa atgggttctt aggaagaggt agtaggttgc atagttttag ggcagggatt
240ttgcccacaa ggaggaaact atacgacctg ctgcctttct tagggcctta ttattcaccg
300ataacctgtt tccttgctac tttgcttttg tgtaagcaga gttcctttctg taggtttttt
360caaatgaaaa cattgcacga atatcaaaga gagcagtgtt tgcgttagtg attataaact
420

<210> 2377<211> 420<212> DNA<213> Homo sapien

cggcacgagc aaagaggggt ttctacatac acagaagcag ttcaacttct caagttaatt
60ttgataagca gaattacta ctggccagag cgacaggagt ggctaggggt tgccagccag
120tccctttctg atgatcaagg cctgcacag caggatgcc aaggatgcc ctgccatcta
180gctggaagca tcaaaagtc ctctgtatga cccggtgtgg gaaagaggggt tgcaggatg
240agaaagtgg gctgcagggt gacgataaga ccacctaac aactccccac ctcaccacc
300acaataagaa caaaactgta gggctctaaa gagaggggggt ggtttacaag ttattgagc
360atttactagg aagtgcacat gcgatgacct ctglacatga gttaggttca cttcatgtg
420

<210> 2378<211> 411<212> DNA<213> Homo sapien

cccaggcact gtactaattt ctgaggatc tttgtgatc tcaaacagat atataagcct
60tgctcttatg gagcttatag tctagaaaac tggatgagag tctacatact ttccattgct
120tttttagttt tggaagaaag ctctgcaggt gaggagaagg acgtacgtgt gtatggtatg
180ttaacttttt ctgtgagttg ggctcagatga agcagttaga caaaatgagt ctcaaaaaca
240tttttggcac cgaaagtttg atgaactata ctttttaaga attgctagct ttgtttttct
300cttataatct aaagggaaat atgtccactt gaactgaaac aactaagcac aatatataga
360acttttactt cccactcttt tgtacttagg tcagngatgt tgcaatatct n
411

<210> 2379<211> 409<212> DNA<213> Homo sapien

cgttgctgtc gcacagagcc aagactcaat tcaggaccgt ggattccctt ggtctagaaa
60ttttctgctg tgccagccca caccacccca ctgtccttac ctgagtgaa tattacattt
120gagtcatttg ctgggcccac acctagtctt cttggtataa ttttaggata attgtttaag
180tggaactat tcattcagta agtagtaagt acttattgtt tgcttgtttc attatgaaag
240agtggcacat gtcattaaa gatttggaag aatgaaagtc aaaacaaca aatcaccctg
300agtcccaacc ttctgtaaca taaccactct tggcattggc gtgttccttt ctagtctctc
360tgtaaacggn gtgtgtgagt gtgtgggttt aactntggtt ggcctcatg
409

<210> 2380<211> 411<212> DNA<213> Homo sapien

ggcacgaggt ttattccctc ctgcacatt tccataattt gctttgtac tgtcaattta
60gaggaaatgt gtgatgctgg tgtttgtttt ggctgtttg tttgatgctg ggggttttat
120gtgtgtgacc ctttaccctt tacattgtgt aatttgaaag tggcaacaa acctgcagta
180aaagtccctt attggcatct tcattcggat gatggagagc ctttgtggtg gtgtttgctt

240atgtgaacag caggcctttc agataagaga agtggctttt ccttggtgat gaaggggtag
 300agattgagcc atggggatgg ttttaggttaa agaattgcttt tttttggcca tcatgaggat
 360ctaacaacag agtagaagga aggatgccct aggtcagcat gcaggggtgt g

411

<210> 2381<211> 417<212> DNA<213> Homo sapien

ttcaaattca gtccagtttc tggcatcaa aaaatcaatc tgttttaaga tctagtctta
 60cccatgaaaa ctttaataat ggtagatata taaaacatga gtaattacc ccaaaatgt
 120ttcagttttt tcattgttat attgccaaaa accattcttg ctatatatat ttttaaaaga
 180agccatttgc atgtccctta gtggtagaat agaaatttgg ttaaaattgg atgacattta
 240ctttaattat cttcaaagta tgatgaattt ttcattgttg gaatgtgtgg tctgataatt
 300tttttaggaaa caacactcca cttagagagcg tagaatctta gaattcatct acttcattct
 360cctcctggta ctctactttc ttctacaacg tcccagccga gctgaggtct gagctgt

417

<210> 2382<211> 410<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agagggatga tctagcctct gctccagaag gatctgtctg
 60gctgccatgt gggggacatg gaggtagca aagacaggag cccagtgaaga gtcgagggag
 120aggtgacctc agcttgggct gcggtgcagg ccattgggact ggcaggaggg ggctgggggt
 180acgctgtctt ttctaacatt cagcattggc tcaggggcca ggtcagggct cacagactgt
 240tgctataaag gtctgggtgg tttcttccc cacagctact cagcctaatt ccattgcaga
 300gcacatgtag ccattggacaa cacaaggggc gtatccgtgt tccaggacag ccattattgac
 360aggaataggc acgaggccag atttggctct caggtgtaa tttcttggcc

410

<210> 2383<211> 414<212> DNA<213> Homo sapien

cgttgctgtc gtccaatcca ttatctagtt ttctgttctt atcttacttg tctgcccctg
 60gcaactgtct tcacagttgt actcgctcct ttttgttcc aaattacatt ttcctcatct
 120ggtactgagc tccctgttaa ctttctttac tcttggtttt agcattttcca tttccttgaa
 180tgtgccagag ctctgtcctc tgggtctttg tacaggttgt tcttggggcc tacaatactc
 240attttccaaac ttttacttta actaagaatt gcaggcctca gcattaatgc tacctgaagc
 300tttctctaat cctcttttaa attagtctg ttacaaactt tcaagttgcc atattcttct
 360ataacattaa cacaattttt gtaaacatgt atttgggtgt ttggctaatt tctg

414

<210> 2384<211> 416<212> DNA<213> Homo sapien

cgttgctgtc gtttctctc tgggctatgt gcgctcttaa ggagttcaca cactttaacc
 60cccttaggaa cctacatga tcctcctcgt ttcttaaga ggaagcagag ccagcaaaca
 120agtgggggag ccacagtcc agcccagggtg tctctgggccc ctgctgccc cagccagctc
 180ctcaggagca cagggcacc cagtgctgtg caggggacag ctgtcctcac aggaacagcc
 240ccgggacctt caggacttcc tgggttttac cctcagagca cccatgaggt tagaatcaca
 300aagcccgga gtcaggagac acagggcagc tggagggagg tctttactga ggctactgag
 360gcacagcagc cccgtctaga ggcctcccgc agaggcactt cctgaggagt ctggtg

416

<210> 2385<211> 405<212> DNA<213> Homo sapien

ggcacgagat attcctttgt gagaaaagt ttgatcttta gctagaatg atgcgtaaaa
 60gaaataaaga taattctact gcttgttctc acccggttac aaagcatgag tttgaagaca
 120ataagtgcct tgtccacatt ttgcgagaga caacagtaaa atactccaaa atacgttctt
 180ttcatggta gtgtcagctt gatttatgtc gacatgaagt tcggtatggc tgtttaaggg
 240aagatgagtg cttttatgcc catagtcttg tggactgaa agtctggata atgcaaaatg
 300aaacaggtat ctacatgat gctattgtct aagagtctaa acgatattgg cagaatttgg
 360aagcaaatgt acctggagcg caggtacttg gtaatcaaat aatgg

405

<210> 2386<211> 416<212> DNA<213> Homo sapien

ggcacgagga gattttcaac acttatgggc aaatggctaa ctggcaactg attcatatgt
 60acgggtttgt tgaaccatat cctgacaaca cagatgacac agctgacatt cagatgggtg
 120caggttcgtg ggcagcatta cagggaacaa aaactgaagc tgaaaggcac ctagtgtacg
 180agcgtctgga tttcctatgc aaactggaga tggtagggga agagggagcc tttgtgatg
 240ggagggagga ggtgctgact gaagaggagc tgaccaccac actaaaggta ctgtgcatgc
 300ctgctgagga gttcagagag cttaaagacc aggatggagg gggagatgat aaaagggag

360agggcagcct gacgatcaca aatattccca agctcanage atcgtggaga cagctg
416

<210> 2387<211> 411<212> DNA<213> Homo sapien

ggcacgagca tgcttcgaaa cggagctccc ctcaccagac tcccagtgga caagctgaaa
60gcagtcaccc cccattccct acccccttcc agttttgagc tgcggagctc tgatcggtcc
120cggacgcgtc acaacgggaa ggcagacccc atgaagactg cgctgcccc gagagccagc
180aggggcccacc ccgtgggagg cgggggcaca gacactcaga aattggagac cagcagaagg
240cctccatctg gaacttccac tacctccaag agcacctctc caaccctcac gccctcccc
300tcacccaaag ggcacactgc agagtcctca gtgtcttctc cgctatccca tcggcagctc
360aagagcagtg tgggctccag cagtggcacc atcacagatg aggatgaact g
411

<210> 2388<211> 411<212> DNA<213> Homo sapien

ggcacgaggt ttctttctcc tccctcccg gacaaggtgt catatacaat gtcattgttt
60gggacccgtt tctaaataca tctgctgcct acattcctgc tcacacatac gcttgcagct
120ttgagggcagg agagggtagt tgtgcttccc taggaagagt gtcttccaaa gtgttcttca
180ctcttttttgc cctgcttggg ttcttctatt gtcttcttgg acacagattc tggaaaacag
240aattattctt cataggcttt atcatcatgg gattcttctt ttatatactg attacaagac
300tgacacctat caagtatgat gtgaatctga ttctgacagc tgtcactgga agcgtcggg
360gaatgttctt ggtagctgtg tgggagcgat ttggaatcct ctcatctgc n
411

<210> 2389<211> 417<212> DNA<213> Homo sapien

ggcacgagcc ttgggcccaga ccttttcccc tgggggtgctg atttcacacc tgtaaaatga
60agaagtttga cttgcacagt gcttttctta gactgtggta aggggtggat gtgggggtag
120tgccaagacc aagtgaaga ggcttctgga cctccatcct tgcttcagcc agagcagcgt
180gggttcattt cattttttga ttttggttt tgggaagaaa gggttctctt gccggtgtgt
240gtgtttctga taaacaaaga agtgtggaag tggctgaatg agatgaccca aggactctt
300ctgggaagat gcaggaggaa gtaggtagc tgagggaag ctgggtggga taggcctggt
360ggggcctggg gagaaggatt tgaaggctca agtcacacgg tgcaggatgg gactcaa
417

<210> 2390<211> 413<212> DNA<213> Homo sapien

cggtgctgct gggcgagtct ttaaaggagt ggctcatctt tctctecct ggggcatttt
60ggtgtgggag actacagggg atgaggttaa aaagcttggg cggcaggtag aggatgggga
120gagaggttag ggccctggga aaggtgggag atcagccaga gacaggtttc ccagaacaga
180atgtctggcc tttgtggtga ggaggagctg tggtagtagc cgcanaagcg gcccaggggt
240aaacctcct gtgcgtcctt ccttcagcct ggtcctgagg gtgaccttt gatcctgggt
300tctccaggta gggctgtgag ctgtgagttg gatcctttt gtgaaatggt ctctctcctc
360tggcctgtca ctcaatgtgg aatagagtga gtgagttcta tgggttctaa gtc
413

<210> 2391<211> 407<212> DNA<213> Homo sapien

ggcacgagcc caggctcacc ctacggaaag agggggttct gttggcccca catgacctca
60tccctgatgt gctgcagagc aatgacgagg tgttggtga ggtgacttcg tgggacctgc
120ccccgttgac tgaccgctac cgcaggcct gccagagcct ggggcaagg gagcaccac
180aggtgctgca ggccgtggag ctccagggtc tgggctctc gttcagcgc tgctccctgg
240ccctggacca ggccagctt acacctctgc tgcgggacct caagctgcac acagcactcc
300gggagctgcg cctggcaggg aaccggtgg gggacaagtg tgtggctgag ctgggggctg
360ccctgggcac catgcccagc ctggcctcc ttgacctctc ctccaat
407

<210> 2392<211> 405<212> DNA<213> Homo sapien

ggcacgaggt tcgaagtaag cagagcaaaa ccgaacgaga agcagagctc aagaaactgc
60aagaagccag agagagaaa cgggttgaag ccaagcaacg ggaagacatc tgggaaggca
120gagaccagtc tacagtttga acatcactca atgaaaggga taattccatg aatcagaaaa
180gttttccata gccttcagat aagatgatcc ttccagagct ctatgtacat gcagatgtgc
240atgttaaaga gataaagtga tcgagacaag gactgactgg gtatagaagg aagacagact
300cctgtcttca ctctaaatg cagttcttgg gaatcacct actgtgggtg gcgtagtagg
360gagccatcag ctaggaagaa acgtgggaga tgtgaattcc aagag
405

<210> 2393<211> 411<212> DNA<213> Homo sapien

ggcacgaggg ttgctgcgcc gtcctccact actggctact ggcgctgcag ccatgcagcc
60ccccgccccg ggcccgctgg gcgactgcct gcgggactgg gaggatctac agcaggactt
120ccagaacatc caggagaccc atcggctcta ccgctgaag ctggaggagc tgaccaaact
180tcagaacaat tgcaccagct ccatacgcg gcagaagaag cggctccagg agctggccct
240cgccctgaag aaatgcaaac ctcctctccc agcagaggcc gagggggccg cacaggagct
300gggagaaccag atgaaagagc gccaaaggcct cttctttgac atggaggcct atttgacctaa
360gaagaatgga ttgtacctga gcctggttct ggggaacgct aacgtcacgc t

411

<210> 2394<211> 411<212> DNA<213> Homo sapien

gctgggctgg agacggcggg agccgctgct ctccggctga gggaaatcaga gacagctccg
60tccttagtgg agcgcagggg aggcagaagt catgacaggc gaggtgggtt ctgaggttca
120cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag
180tggacagggc agctatgaaa caattggacc cttgagtga ggagattcag atgaagagat
240attttgtaagt aagaagttga aaaacaggaa ggttctacaa gacagtgatt ccgaaacaga
300ggacacaaat gtctctccag agaaaactac ctatgacagt gccgaggagg aaaataaaga
360gaatttatat gctgggaaaa atacaaaaat caaaaggatt taaaaactg t

411

<210> 2395<211> 406<212> DNA<213> Homo sapien

gctgggctgg agacggcggg agccgctgct ctccggctga gggaaatcaga gacagctccg
60tccttagtgg agcgcagggg aggcagaagt catgacaggc gaggtgggtt ctgaggttca
120cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag
180tggacagggc agctatgaaa caattggacc cttgagtga ggagattcag atgaagagat
240attttgtaagt aagaagttga aaaacaggaa ggttctacaa gacagtgatt ccgaaacaga
300ggacacaaat gtctctccag agaaaactac ctatgacagt gccgaggagg aaaataaaga
360gaatttatat gctgggaaaa atacaaaaat caaaaggatt taaaa

406

<210> 2396<211> 415<212> DNA<213> Homo sapien

cacactccac gctgagaaa agtaattagg aggcctgatg aggggcccag gaaaggctgt
60tggggtgtgc tgggggttgg accctagcgc cttccctca cctcaaccag agaagagcat
120ccgggtgctt tttaaagctt ttgacctgcc ctgcaayga caaagcatgt tagattaaag
180atgcttctgc tgatcgcaag ggttcttatt tgaaaacatc tataatgggg gaggtgtggg
240aggattcttt caaggacctg cacagcctcc tgatggagat ccaggctctg cgettgcaac
300tagaaaggag catcgaaacc agcagcactc tgcatagcag gctcaaggaa caactggcaa
360gggggtgcaga gaaggcacag gaaggagccc tcaactctggc tgtccaagcc gagcg

415

<210> 2397<211> 407<212> DNA<213> Homo sapien

ggcacgagcc gggcccggcc ctggagatgg tccccggcgc cgcgggctgg tggtgtctcg
60tgccttggt ccccgctgc gtcgcgcccc acggttccg tatccatgat tatttgtact
120ttcaagtgtc gactcctggg gacattcgat acatcttcac agccacacct gccaaggact
180ttgggtgtat ctttcacaca aggtatgagc agattcacct tgtccccgct gaacctccag
240aggcctgcgg ggaactcagc aacggtttct tcatccagga ccagattgct ctggtggaga
300gggggggctg ctctctctc tccaagactc ggggtgtcca ggagcacggc gggcgggcgg
360tgatcatctc tgacaacgca gttgacaatg acagcttcta cgtggag

407

<210> 2398<211> 409<212> DNA<213> Homo sapien

cggtgctgtc ggtcttggtg ctgcggcctg cccctcagcc tectccgcgc ggttaccct
60gtaccgcgg ccatacgtcc tggcgctccg gatgagtcaa tgaggggcag ggcccaggga
120gtggtcttcc caagaacccc tgggtgcctc ccaaggccgg tgctgtgtac ctctccccg
180acaaaagggg aaactgaggc cccgagggga gtgggaagag ccggtggac gtcaggccca
240gccgctggtg cagtgggtcc tccctctgc cggggtgggc cctcggggt tgcggtgtcc
300tcgggaaaga gactggcggc accctgatct gcaactcctg aggggctccc actgtccgcg
360gtgtgaggat gtccctggat agtccactgt gtgcagaggc atgggagtn

409

<210> 2399<211> 410<212> DNA<213> Homo sapien

ggcacgaggg agacatgatg aagtacattg agacagagct aaagaagagg aaagggatcg

60tggaacatga ggaacagaaa gttaagccaa agaatgcaga ggactgtctt tatgaacttc
120cagaaaacat ccgtgtttcc tcagcaaaga agaccgagga gatgctttcc aaccagatgc
180tgagtggcat tccgtagggtg gacctgggca tcgatgctaa aataaaaaat atcatttcca
240cggaggatgc caaggcccgt ctgctggcag agcagcagaa caagaagaaa gacagcgaga
300cctccttctg gcctaccaac atggctgtga attatgtgca gcacaacaga ttttatcatg
360aggagctcaa cgcgcccata cggagaaaca aagaagatgc ccaggcccgg

410

<210> 2400<211> 412<212> DNA<213> Homo sapien

ggcacgaggg gtgttcgttt ctcaggtaaa acatggctaa aagcttacgg agtaagtggg
60aaagaaagat gcgtgtgtaa aagagaaaaa agaatgcccc aaaggaggcc agcaggctta
120aaagtattct caaactagac ggtgatgttt taatgaaaga tgttcaagag atagcaactg
180tggtggtacc caaacccaaa cattgccaag agaaaatgca atgtgaggta aaagatgaaa
240aagatgacat gaaaaaggag actgatatta agagaacaaa aaagactcct ctagaccagc
300atggacagta cccaatatgg atgaacccaa ggcaagaaa aaggctgaag gcaagcgag
360agaaaagaaa ggggaaaagc aaagcataag cagtgaaggt ggcaagggt tt

412

<210> 2401<211> 405<212> DNA<213> Homo sapien

ggcacgagt gcccctggagg cggcgggagg gccgccggag gaaacgctgt cactgtggaa
60acgggagcaa gctcggctga aggccacgt cgtagaccgg gacaccgagg cgtggcagcg
120agaccccgcc ttctcgggtc tgcagagggg cgggggcgtt gacgtgtcct tcgtgaaagg
180ggacagtgtc cgcgcttgtg ctccctgggt ggtgtcagc ttccctgagc tcgaggctct
240tcttgtggat ggaacggggg tactccacca ccgaggcttt ggggtggcct gccaccttgg
300cgteettaca gacctgccgt gtgttggggg ggccaagaaa cttctgcagg tggatgggt
360ggagaacaac gccctgcaca aggagaagat ccgactcctg cagac

405

<210> 2402<211> 421<212> DNA<213> Homo sapien

ggcacgaggg aaaccaattt actggattgt agctggtaaa gcccttgatt atgaacagat
60gctgtcttc atggctaattg tgaatggga tgtaaaagaa attatgtcac agcacaacat
120atatgtagat gactatttaa aggaatttga gcagttaa acaggagctaa atgaagtctc
180taagagagtt cgcataccct tgctgtgtc taatatactt tgggaacatt gtatacgatt
240ggctaatacga actattgtag aaggatatgc caatgtcaag aaatgcagta atgagggtcg
300tgccctgatg caattggatt ttcaacagtt tttaatgaaa cttgaaaaac taacagatat
360tagaccatt cctgataaag aatttgtaga aacttatatt anagcttatt acctactga

420g

421

<210> 2403<211> 408<212> DNA<213> Homo sapien

ccatcgattc gaattccgtt gctgtcgaga gaagccatga ataataacc agctggtttt
60agagaaggca tcaactcgtg aggaaaaggc ttagtttctg gatttgtag tggcataaca
120ggaattgtta caaaaccaat caaaggagct caaaaaggag gacgagctgg tttctttaa
180ggtgttggga aaggtttagt aggagcggta gcaaggccaa ctggaggcat catagacatg
240gctagcagta catttcaggg gataaaaaga gctacagaga cttctgaagt ggagagtctg
300cgacctcctc ggttcttcaa tgaagatgga gttatcagac cgtacagggt gagggatggg
360actggaaatc aaatgttaca ggtcatggaa aatggaagat ttgcaaag

408

<210> 2404<211> 411<212> DNA<213> Homo sapien

ggcacgagca tggctttccc tgagccaaag ccgcggcctc cagagctgcc gcagaaacgg
60ttgaagacgc tggactgcgg gcagggggca gtgcgagccg tacgatttaa tgtggatggc
120aattactgcc tgactgcgg cagtgaacag acgctgaagc tgtggaaccc gcttcggggg
180acgctgtgtc ggacgtacag cggccacggc tacgaggtgc tggatgcggc cggctccttt
240gacaacagta gtctctgtc cggcggcggg gacaaggcgg tggttctgtg ggatgtggca
300tcaggggcagg tcgtgcgcaa attccggggc cagcaggga aggtgaacac ggtgcagttt
360aatgaagagg ccacagttat cctgtccggc tctattgatt ccagtatccg c

411

<210> 2405<211> 397<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagatatgag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagcgcg cgcgcgcgct ctctagagtg tgttttctct ctcccgccta tttacgcccc
180cccccgccgc gcaccccccc ccgggggggg gggccctctc tcttctctgg ggggagtttc
240tgcgcacaca cagcgcagag tctctgtttt tttttgcac gcgctctcgc cectctgtct
300ctctctcttt tctctctctc tcgcgcgcgt gggagactct ctttgcgcgc cctttttctc
360atgtgtctat gtgtttgcgc gctatattat agagctc

397

<210> 2406<211> 402<212> DNA<213> Homo sapien

ggcagcagca ggagttcaag accagcctgg ccaacgtggc aaaacctgt ctctactaaa
60ggtacaaaaa ttagctgggt gtggtggtgc acacctgtaa tcccagccac ttgggagact
120gaggcaggag aatcacgtga acatgggagg cggaggttgc ggtgagctga gatcacgcca
180ttgtacgcca gcttgggcaa cagagcaaga ctccagctca aaaaaaaaaa gagggggaaa
240tttttgtgaa ggggtttttt ttttttcgaa aaaaatgttt gggggacctt ccgagagctc
300acaaattttg atgaacgtta aaaagcctag tttgaggcgg ggcggggggg ttatgcgcat
360gtccccaccc tttttggagg ccaagggggt ggaaccacc ca

402

<210> 2407<211> 390<212> DNA<213> Homo sapien

ggcagcagtc ccagctacag gaggctgagg caggagaatt gcttgaaccc aggaggtgga
60ggttgcagtg agttgggac tcgccactgc actctagcct gagtgcaga gcgagactct
120gtctcaaaaa aaaaataatg aataaaaaat aaaacagcaa ctcttcgaga tttccgaat
180gtattggtcc cagagaacac tgaaaataat gtcagtgtgt taacaccagt gggagtttgg
240gaaataattc cagctcttta atactcttt cagcttcaga ttaagtgaat tgagtttcac
300atattttcaat atatgaaatt ttatgatgac acataaaaca ggccaggggt tattgaggac
360acatctgtga gatagtgggc aatgctactg

390

<210> 2408<211> 392<212> DNA<213> Homo sapien

ggcagcagaa ggtacattcc agggttcttg ggaagaatt ttaaaatgcc atcctcta
60acagagcttt ataaaactta aatgaaatga ttgggcttaa ccatatgcaa gaaagtctgc
120agaaaaataa tcacctagaa actataaata gaaatgtgt gctgaggctg ggcaggttgg
180ctcacacctg taatcccagc acttgggggg ctaagggagg cgtatcacct gaggtcagga
240gtttgagaca agcctggtca acatgggtga acgcccgtct tactaacaat aaaaaaaaaa
300ttacccaggt acattggcac atgcctttta tcccagctaa tcaggaggct gaggcacgag
360aattgctcga acccaggcgg cagagcttgc an

392

<210> 2409<211> 385<212> DNA<213> Homo sapien

ccacattcat cccagcctc gctgtacagc tataaagtgg ggagtggcca atcaataaat
60cagaggcacc tgaaaaatga actggggaac cacactgact tccccccct tcttgattaa
120aacaacaaca attgcaaaaa gtcaacctgt cactctttag gaaagtttgc ggcattgaaa
180ggcaattacc caatcgactt tttaaaagta tgaaaatttg cctggctgaa cgtttttac
240ttaatgccgt gagttaacat taataactat tcttagctta gtgagctggg cttgaggggg
300gattaggaat catttggtat ctctggcagg gacagatgtt gacctggacg gtcggcgggt
360tttacaacc taaggactat agggg

385

<210> 2410<211> 404<212> DNA<213> Homo sapien

ggcagcagaa taagagcagt atccttagct ctageccaagc atttttctaa ttcttgccct
60tggtcacaaa gaaggaaatag cagagctgtg aatgagttag tggaggtcag tcacatcaca
120gttcattgac tagcgattgc tgggtgaagta atattggaat ttgggtacca tgagaagact
180tataaaggat ttcatcagaa gttttcattt tttctaaatc ctcccctact caattttcac
240atttgaaatt actcttgat ttgtagaaga ttgtctctaa aattgtggtt taactcacgc
300aggaagtaag attcctatag caagacatag tttcatttta gaggaccccc aaaatcccgt
360gaattctctg gtgatgattc tagcctaacc ttcaacataa aata

404

<210> 2411<211> 403<212> DNA<213> Homo sapien

ggcagcaggt gtgatttttc agaattccca gagtttactc attcttgta ttaaactcta
60gccagttgac atcttcgcaa tttcaaggac tgatagtgt gtattttctc acgttttcta
120agtttccgtt ttgcaaggcc taggtgactt tttcatggtg ttgtatgtt tagctctttt
180gaaaaggaa tttgaaatct ccatcaactg aagtaaatga tgtctgagtg ttacagtaaa

240ggtgaccaag tctctttctt aaagtcacaa tgactaaagt attagttgaa tttttttttt
300tttttttgagg gaggctcgct ttgtccccag gctggagggc agaaccacaa tcacggctca
360ctgcaatctt tgccctcccg tttcaaggga ttctgctgtc taa

403

<210> 2412<211> 386<212> DNA<213> Homo sapien

ggcacgaggg gcatttgtga gaaagatgtc cttttcataa tatatgcagt atattccaga
60tgttttgaga gattacagaa taggaggcct gctccacttg cagataagtt tattataatt
120ctccagaaat gtgcaggatg tgcattagca aattgcactg tacttttcac tccagcctgg
180gggacagagc aagactcccc tctcgggggc ttaaaaaaaaa aaaaatgctg tttctaaagg
240aatctgagta tcttggggcc aaatgtgggt ttgtccaat ttatttaaaa agggcttgtt
300tcaaacgaat agggggcccta taggcaaacg ctttatattt tttaaaacga attttctgga
360gtgggttttc attttaaata agaact

386

<210> 2413<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggacttttga agatttttta aaaataaaag gaggtatacc acctccttgc
60tttggtatctt ttacaaaatg ttatacttta tggatataaa ggtgataaag attgggaaat
120aatcttctaa atatgtaaaa tgaaagcaac agcaacagca aacacaatta tcgtattctt
180tgggagtaac aaatactggg tttcatttta aaactaagga aaattttatc agtacttaaa
240ttcaatccaa aaaagggttt ataacacca aactgtacat ttaaaattat gctttcttaa
300ggtaatggct agcattacct agttttagt tttcttgagc tgtaactttt tataactgaa
360tcatttcagt gatttagggc tgtctcgtag ttggggaaga gaaa

404

<210> 2414<211> 388<212> DNA<213> Homo sapien

cgttgctgtc gaacatggga agcactgcag tttagtagtc ctggcccta agcccttcca
60gcccaggagc cagacctgtg agcaacaag ctttagtga ttccaggctc tggctggaac
120cttgagctct ctcagcttgg ggcattgcacc tcagggggag ccagcatcag tgtccagccc
180caagagcttc cctgtacgtc tcagttagtc ttcacatgcc tccaactgcc tggacaacca
240cacgtgatac ctgtcctgcc aaacgtgtcc tgaaccata aaatccagag aaaagaaaat
300cgttttaaac tgctgaggtt tggggttaagt tactatgaag cagtagtgag aagaacagaa
360gggcatgat ggggagaaa tttggccc

388

<210> 2415<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gctaaacgca gataacgtaa gagtaacaag aaactaaatc aaggagcatt
60atatagccta cactgcagag actcaatata ataaagggtg cgattcttcc taattatcag
120atttactgca attccagcca aaatgtttca ggggattttt ttgttcgttg ttattgcttt
180ttgcttgccc tttagcttca cagggttggg ctgaaattta tgaggaataa attcttacga
240gcagagcaga aaatttcgaa tctatttcta gaaactgcat atgatgatgg ttcatactca
300gagagagaaa gattggattt ggtggtatta ctagaagttc agggactcac taatagtcag
360gcgagtgcac aattaaatca cattgaact

389

<210> 2416<211> 398<212> DNA<213> Homo sapien

ggcacgagag ggaatcccc caactcataa attataaaaa tgacacttcc aagccatcaa
60tgaaggaggt gtcattatta aagtgttagt gcaatataac aaagtgttta caaacaac
120accatccaac atacccccaa atgctccttt ttggttgta tacagtttga aaaaagccta
180cagttagcta tcaattcctt acagcaatga agtactaagc taaacaatgc attcagaaat
240ttcttaggcc aaatcctgac agtatacca ctacgagttg gtaaacactg tttttaatcc
300tgctgaagaa gagaaacgag aacaccaagt aaaacttact ataaactaca aatatttcaa
360tatttacact caatatgagt tcgacacagt agtataan

398

<210> 2417<211> 388<212> DNA<213> Homo sapien

ggcacgaggg gcacttggcc atctcttatt tctctacaat aaggaatact tcctccttat
60ttgtaattcc taaaactaga ctaaaattta tgtacatatg tttcattca tttctttatt
120tttagtttgtt gatttaagaa tattccaca agttaaacaa tgaaagtgt agttatatta
180cagatatgaa tgactaatta ttccctgcca ccacctacat cattttcccc ccagcttaat
240ggagggtttt ttgacaaaaca aaaattatat atacttgcac ccagtcataa aaaagaatga
300gatcatgtcc cttgcagggc catggatgga gctggaggcc attatcctta gcagactaac

360acaggaacag aaaaccaaact actgcatg

388

<210> 2418<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggggtgaact ttttatacta tacttttaca gatagaaatg aaagtactta
60gtaataattg aacatatgta cagtaaaaat attatagctg ttgtttttaa ataattgtat
120taaaattgaaa cttaagtttag tcttcaggct ttttaagggt ttcaaatttg aactggaatg
180caattcagaa tgtgctagaa taacatttct ccatttctcc agtgtcaaga tgggaaggca
240tacattctaa gcgtctgtat ctccatctat ttttcttttt tttttttttt tttgaaaaaa
300aaattttgtt ttgcaccca ggctgggggg gcgggggtta attctggctt cttgaaaaat
360ccggcctcca gggttaaacc ttttctt

387

<210> 2419<211> 385<212> DNA<213> Homo sapien

tcaattcggc acgaggctcc ttgttgccat tctgaatctg aatgctcttg tggctggaca
60actggactca gctaataagg catttctgat gcttttgtgt tcttatgcaa ggatggacct
120tttccagcat tgtaaatgac agcaggaaat actcaatggg ccacaggaaa taattaacat
180catctgggag agactgactc acaagttaaa agtaaggact taaaatctg acctgggaat
240taaatctagt ttaacatat gttgattctg tggattagac gatttctta gtccctctga
300gtcccacttc tctcactgag ttgttgtaga ggtgaaatga gaacatgttt gctattagct
360aagcatagtc tttggctagt agaga

385

<210> 2420<211> 389<212> DNA<213> Homo sapien

ggcacgagct tgaacttctg accccaaatg atctgcctgc cttggcctcc caaagtgttg
60ggattacagg cgtgagccac tgcgccagc cttgaggtag catactttct gaaataaaaa
120agtagattat gtccgaagca gttgacctaa aaactgcctt ggactgacat ttgttaggtg
180gtctaagatg ttctcttcac gctttgcaaa aaaatgagct tttttggagt ttaaattaag
240catcctctctg gtgtgtttgg ttttttagcc accaaaaatt taacaaattt gataacctgt
300cacgtgtaag ttcagaaagc actttggtct taattggtga cttgggggtt atttggtata
360aatataggat ctttttctaa aaattattg

389

<210> 2421<211> 161<212> DNA<213> Homo sapien

gaatgttccg gtcggctctc agcataagct gaaatatatg catgtaaaaa ctttgacatc
60ttttttttta attttccact ttcttcttaa ctttacttct ctttttgtcc cccccccat
120cttaccagat tgaggccaag ggagaatggt aggcacacaa c

161

<210> 2422<211> 397<212> DNA<213> Homo sapien

ggcacgagat aggggcctc tgagaagatg gaatggtgaa ggctgcgagt agtttgtgga
60tatatcagtc atatcttggc ataattcaac agcgtactaa tggatcaagg gactatttct
120aaggctgagc aggtttaagg aaaacatcta ggtgaaacat ctaagggcta gctagcaata
180ggagagccat tatcactctt tttttttttt tggcagggga atttccggg acctttatt
240ggccttttgg gcaaacggaa cgggaccggt aaaaacccca ttggacttct caaaaatggg
300caaagaattt ccctaaaaaa aatcttcttt ccaaggtttt tttaatgggg ggcccttaa
360aattataccc tttttttaat taaaaagcgt tcacttt

397

<210> 2423<211> 404<212> DNA<213> Homo sapien

cgctgctgtc gcttttaata tggatccac ctcataacaa ttaagtctaa atttctggaa
60gatggagcca tgcttggttt tccaaaagct ctttgagtga ttctaatttg tagtcagagt
120tgaagaccac tgctctaaat tagtgcagga aatgctttt atttctccca tgtaacttt
180taaaaactagt aatgtaccca gtttaagttt gatggtttaa attccactaa agaactat
240cttctataata ctagcattta ttacatgaaa ttttaagagt taagtccat caaactagcc
300cttgtgtaag attattattt cttctctata acttcaaaat agatatttca ttcaaactgt
360tcagggtgaga aaacataatg gatttttttt ttttctctct ggag

404

<210> 2424<211> 399<212> DNA<213> Homo sapien

ggcacggagg agagagagag agagagagag tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agatagagag agagagagag agagagagag agagagacac acctctctct

180ctctccccct ctctgtgtct atctcgcgcg cgcaccccc tgtgtgtgtg tgtgtcttcc
240ccctgcgaca ctctctgtgt gctctctctc tcacacactt ccccccccc cactcttttt
300ttttttttta tacgtgttct ctttctcaat aatatatcct ttgtctgtgt gtctctctct
360ctccagacag cgctctctct cttttttaca caccctccg

399

<210> 2425<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gatttttctc atcagcagga tggggtgatg gagctggcct tactgggtgc
60tggggatgat ataaagaggt ggcgtgtgca tgtctgtgtg tctgtgtgtg ggcgaacatg
120tttggttaagt gataggctct gcacacgtgc acggcaccat catggttccc tccctgcagc
180acttggcacg cagtgggggc tcagagcaca ggccgactga tggcctgggg ttgcagccct
240gtccgtgtg tccctggggc cttgcttact gaccacccca caggtgaaca cgggcaggtg
300ggtgtttgga ggtgtgagggc tgaggagggg ctggtatcttg cagctcttgc agcctggata
360gttatggggg ctggaggggg cttttattg

389

<210> 2426<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggagacctgt aatctcagct actcgggagg ctgagggagg agagaggctt
60gagcccagga gctggagggt gcagtgcagc gagattgccc cactgcactc cagcctgggc
120gactgagtgg agcggaaactc tgtctccaaa aaaaaaaaa aggggttttt ttaaaataac
180cacttttggg aagggtaggg gaaggtgaagg ggggcccaaa aacaactttg tttttttaa
240tataggcggg aagggaaaaa aatggaattt ccttgttttt tcccaaaaaa gacaaccccc
300caatttgga gggctaaaaa ccattcccgc ctttggaaa aaaagaaaac ttcaactttg
360ggtttttttt ggaaccaggg aaacccg

387

<210> 2427<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gaaaaaaagg gggagttcat tgttgagrat gaatttaaag taaccagact
60gccttttgtc cagtggctgt cagtaattta cttcagcagg cttttttttt ttttgggggt
120ggtccaataa aaacagaacc ttttggaag aaagggcctt ccagggggga ggcattccga
180aaagggggga acctctttaa ggaacccaac ccaaaaggaa acctggcccg ggaatttacc
240cataagaaaa acggtgaagg ggttttgttt actttttaa cgcacacac acaccacac
300accacacac acacacacat tttttctat actcttaaaa aaccgtagag ttttaacaat
360ccggggggag gggatttaat aatat

385

<210> 2428<211> 387<212> DNA<213> Homo sapien

ggcacgagcc ctttgagatt tctggctttt tgtagggacc tcagttccat tttcccaact
60catgggttct caatacctta actatctttt atttggcaaa ttccaagtcc tcaactcacc
120caccactacc tgaccactg gagtcaccac accaccctac ccactttccc agggatgctt
180tatgattagc ttaaatactc accattctga ttgtaatgc cgcgccacc ccttttttt
240gacacctggg agtttccctt tctttcttgt aagatcagca ttacacaaac aagcacattt
300ttcttattat actttatcta gaaaaccag gtgtcagtgg cagaagcatt cctgaattta
360ttagatcat tgttttctg gaactgc

387

<210> 2429<211> 388<212> DNA<213> Homo sapien

ggcacgagga aagggctctc tgttctcac actcagcttc agcataagct gtgaggccag
60aaaaaagggt agctcttcta gtatcgtgca gtgcttaaaa accgggagct ccagccgggc
120gcagtgggtc atgccagtaa tcccagcact ttccggaggcc gaggtgggag gattgcttga
180ggccaggagt tcaagaccag cctgggcaac acagcgagat cctgtctttg taaaaaaact
240aaccatcctg acccgccagt gctcttggtc tctgagtgt acccaggtcc tccaagtgc
300ggtgtgcacc gagcgcgctt ggctgatgc cctggcctgt gagctgggga ctctggggcc
360ctgtgagccc ctatgcggca ggccagg

388

<210> 2430<211> 390<212> DNA<213> Homo sapien

ggcacgagag atattttatc tcttttattt gggacgcttg tttcttcagc tcagtttaac
60tactgctttg acgtggactg gctcgtaaaa cagtatccac cagagttcag gaagaagcca
120atcctgcttg tgcattggtg taagcgagag gctaaggctc acctccatgc ccaggccaag
180ccttacgaga acatctctct ctgccaggaa aatgatgctg ctgctctatg aagaaggcct
240ccgggttgtc atacacacct ccaacctcat ccatgctgac tggcaccaga aaactcaagg

300aatatgggttg agcccccttat acccacgaat tgctgatgga acccacaat ctggagagtc
360gccaacacat tttaaagctg atctcatcag

390

<210> 2431<211> 395<212> DNA<213> Homo sapien

gaaaaacagt agccctccta cctgccttt accccacttt ccttgccctca cagtagtctg
60tgccaactct tggttgattt gtttgattt acctccatgt ctcaatatga acatgttttc
120atgactattc cttgatgggt ttttgtttgc ttgttttaag acggtctcac tcttccccag
180gcgggagtg aatggcacia tcatggctca ctgcagcctc aaccttctcg ggctcgggtg
240attctccac ctcagcctcc tgagtggcta gaaatgctgg tgcacaccac catgcctagc
300tagtttttgt attttttgta gagacagggt tttgcatgt tgccaagct ggtcttgaac
360tccggggctc aagtgatctg cccgcctcgg cctgg

395

<210> 2432<211> 390<212> DNA<213> Homo sapien

gcagccctgg cctgcggca cgccttcacc tacaaggctt atgctgacaa gaggctggac
60gcacaaggag ctctgtgct ctaagcaacc aagaggaagc atcgaagggt cagcatcact
120ggtctctgtc gccatctccc ctccacctca taccctgtgc aatagctggg gatgtgcact
180agccctccc gccaccagaa gccctaagggtgttgaaagca gaacccatt ttttagaca
240ccccctcgcca aaaaacatag tccaggatac actttattct ctgtggaaaa agaaagaatt
300tgactttatt tagaaaggct actgaatata gaagacgata actcgcttgc tgtaagtcag
360gaaataaata gattctagga gccgggcaan

390

<210> 2433<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtttcat aacattttta taagtttggg aaactttagt cccattatat
60acttttgggg acagtgttat aaatcagaat ttacgacag ttgcagaac actgatttga
120aagcttcccta tgcaaatga gaaggggttc aaatatatta attatcatta agtattaaat
180aataggcatt agatgtctaa tgtgagtata attcatcca agccatctca gaaagtctaa
240aaggttggca gggggctcagc tgaagacctc actggagtgg gtcttaattt ttaaaaagtg
300tctcactaca cttaagacat gtgacacatt cccattggta acaattgctc accatggcat
360tgtctcaaaa aagactatgg tggggagg

388

<210> 2434<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gcaggagagc cgctggaagc agtacctgga ggacgagagg atcgcgcttt
60tcctgcagaa cgaggagttc atgaaggagc tgcaacggaa ccgcgacttc ctctcgtc
120tgagagagaga tcgattgaaa tacgaatccc agaaatctaa atccagcagc gtggctgtgc
180gaaacgactt tggtttttcc tctcctgtcc caggaactgg cgacgccaac cccgctgtgt
240ctgaagatgc cttattcagg gacaagctga aacacatggg aaagtccacc cggaggaaac
300tggttgaact tgcccgagcc ttctcagaga agacaaaat gaggaagtca aagaggaaac
360acttggtgaa gcatcagtcg ctgggggctg c

391

<210> 2435<211> 404<212> DNA<213> Homo sapien

cgttgctgtc gcttttttcc attgtagaaa ttatgtatat cacatctcta atgggggttg
60ttttcaaagt tattgaaca ttccagtggt tagggagctc ctgctttaca aggaacccat
120tatatttttc aaaaactctt aagtcttaca aagttatctc ataagaacag cctaatttc
180ttctttccac cactttgtaa acagtaatat actttaaaat gtgtaacatt tagcaacttg
240tagctctgca tgcagtaaaa ttcaacattt tctgaattaa tttttactgt gttatgctga
300cttcatgtat tttattttca tgggctgggt taaaaatacg agaattggaaa gatgaaagaa
360aagattagta catgcaact atagaagttt aggtagcaac ccag

404

<210> 2436<211> 393<212> DNA<213> Homo sapien

cgttgctgtc gagaaaagg gctctgctga cctgccacct tcgctgtgat gagtttctgt
60gtagcagga cagcgaggca cggtttggat gaggacaaga tgtttggtac cctacaacca
120gggagggtgt cgggtgacac cctgggctca gaccccgccg tcagcaccg tctcccaccg
180tgggctgcca cagaagctac aaggcaccgg gtcaaggcca agcaaatgaa acacgtaagt
240atagctctgt ctttctaatt tccccctatt agaagaaaga acgtgaaata attctttatg
300ggctcagtc ctaccgtgtg gggcagacct gctctgggtg atgaaagcag tttccctgcc
360tcccttcagg aagtagagaa gccgggtgcc tgg

393

<210> 2437<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gtttagacgc atcacgattt tgccccgatt cccaacgtgg agaaaccaac
60ggggaaagag acggagacca acgagaacca tctcactggg agaggcgatg ctgtttgaca
120catcgctccct gtacattcca aagccactgt cctccacac ctgggcaaca gtggcctcaa
180ccccaggccc agccctcctg caggaaggaa gaggactgaa tggaggcgt ggaggatga
240aaggacgtgg cctcctcaaa ccatttgga aagggcctct ggggccacct ggctaagagg
300ggctggcaca ccaagaagtg gcctcctccc gggagttgag ccagagccca ggtgctgtcc
360ccaagtggac tccagagcca ccttttcag

389

<210> 2438<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggtttcaag gatactgtca tgaagcagac acatgctgac acacctgttg
60atcattgtct atctggcata agaaagtgtg gcagcacctt taagcttaaa agtgaagtca
120acaagcatga aacagccctt gaaatgcaga atccaaattt gaacaataaa gaatgttgtt
180tcacctttac gttgaatgga aactccagaa aattagaccg tagtggttt acagcatatg
240gtaaacccag cgagagtatc tactcagccc tgagtgttaa tgactatttc agtgaaagga
300taaagaatca gtttaataag aacattattg tttatgaaga aaagacaata gatggacata
360taaatttagg aatgcctctc aagtgcg

387

<210> 2439<211> 391<212> DNA<213> Homo sapien

ggcacgagac taggcaagt gctttggcat atatcattct cattaataaa acagacttgg
60ttccagaaga agatgtaaag aaattaagaa cgacaattag atccataaat ggactaggac
120aaatcttaca aacacaaaga tcaaggctca gcagctgata gactcagcaa caggcagcca
180ggagctctga ggctcacagc tggcagtcta gttccactca gtctctactt gagaaattct
240ttcttttgaa gtacagcaga ggccttagag ctgactcttc taatgtatta gatcttcag
300cctttgatag tctctctgga ataagtttg agaaaaaac ttcagcatgt gccaggaaca
360caacctcacc ttgatcagag tattgttaca a

391

<210> 2440<211> 402<212> DNA<213> Homo sapien

ggcacgaggc tactaagatg ggaaaaacta tcacgacagt ggcaccacct gatttcatga
60tgtaccatat gcagtaacac atgtttgagg tacagaattg aagctgattt tctgcaaaa
120gatgaatttc tataaacaat ccatttttta tattttatta ttaaaacaaa aatacctctc
180tttgctagag agtatatgta tgacttaaat tattagctat ggtttgcatt tagtacatgg
240cagattgcct gtaagtctgt tcattttaac aacatacggg gctgggcacg gtggctcacg
300cctgtaatcc cagcactttg ggaggttgcg ggtggatcac ttgaggtcag gagttcgaga
360ccagcctggc caacatggca aaaccccgct tctatgaaaa at

402

<210> 2441<211> 387<212> DNA<213> Homo sapien

ggcacgaggg gaagaggtgc aggagaagct gtgtttttta tctccacacg cagtatgaag
60ataaaattac atagtattac ctgacatag acagtattac ctaggtagat gcaactgtca
120cctgcgcctt tccagctct catTTTTgtt aggtgatttg ggatagggat agtgttttg
180ggatggggg gagtgctctc tgcctgttt gcgtacgtgc atgcgcgccc ctgctgggtg
240gcgcggggcc cctgccctt ttcttgctcg tgccggacgg gaccggttag gcctcggagg
300cacgctgtt tctgtgcccc acacgtaacc ttctgaacac tgtggtacaa gaagtctccc
360ccaatatcgt gcccctagcg ccacacg

387

<210> 2442<211> 391<212> DNA<213> Homo sapien

ggcacgagga aggcagcagg atggcagtgg ccagtggggg caggctgggc catctccctc
60tcagacctca gcacctgggt cctcggggct gctgctcttg ttccggaagt ggtctcgact
120ccgcttctctg ctgccatgga agccaacagt ttccaccggc gggagacctg gcacagaccc
180actgtggaca gacctgaca gtgcctccac ctctgcagg cctccatggg ggctgcccc
240ctcctcagcc tctgggctcc cgggcccggc cagatgggac agctccacag ggccctcgcc
300cctgtctgtg gcaggattcc caaggccgcc cctgcctggc tctccacct tcccaggac
360cctcttctctc tctgtctggt cttcgacccc t

391

<210> 2443<211> 404<212> DNA<213> Homo sapien

ggcacgaggc tcaactgggag gtgcagctct ttctctctt cctctaggaa ttccagaccg
60accatctacc atgactaaca acaatgaaca aagggttag gggcaagagc tacctgcaaa
120gacgtgtcat ggaacccctc accatgcaat gccttgaact cagctctggc tgctcccaag
180aaaaggtggc tggctggggg cctggacaca agcacaatgg ggctgggtga gccactgtgc
240agagctactt gaataatcac tgggttttca tcaactcctt ttgtcataca gaccactcaa
300gggctgaagt gttggtaacc ttcatttcgg tgccaaagcc tcacagcagg tgagccaccc
360tgagatgctt gtggccacat ggtggccaca gtcagagctt tgaa

404

<210> 2444<211> 395<212> DNA<213> Homo sapien

cggtgctgtc gcaagactgg acaactggtaa cagtatgact aaatatactg agaagctcga
60agagattaag aaaaattata gatacaaaaa agatgagctt ttcaagagac taaaagttac
120aacttttgcc cagctgatca tccaagttgc ttccctctct gatcaaacac tggaagtgc
180agctgaggag attcaaaggc tggaagacaa tgattctgca gcttcagacc ctgatgtcga
240aaccactgcc aggaccaatg ggaaaggaaa tccaggtgag cagtcgccga gccctgagca
300gttcataaac aacgcaggag caggggactc cagccgctca actcttcaga gtgtcatcag
360tgggtgtggg gaactggatc tagacaaagg gccag

395

<210> 2445<211> 393<212> DNA<213> Homo sapien

ggcacgagct aagactgctg tccctccgtt gagtgaagga gatgggtatt ctagtggaa
60tacatgcgt gctcatcac cactcaacac acctgacct tccaccaagc tgagcacaga
120agctgacaca gacactccca agaaactaat gtctgcaga ctgaaaatta taagtgaaaa
180tagcatggac agtgcaatct ctgatgcaac cagtgaagta gaaggcaagg atggcaaaga
240ggatcttgat caattagaaa atgtccctgt agaggaagag gaagaattgc agtcacaaca
300gtactccca caacagctgc ctgaatgcaa agttgatagt gaaaccaaca tagaagctag
360taagctacct acatctgaac cagaagctga cgn

393

<210> 2446<211> 404<212> DNA<213> Homo sapien

gngacganaa cagtgtgcag gagactcact ccagctgct gggctcttgg gaccctggg
60aagaaccgga agacgcagcc cctgtggccc cctccgtccc tgctcttggg taccctgagc
120tgccacacc caggagagag gtccagtctg aaagtgccca ggagccaggt gcaggcccg
180gacccctgg ggtgagggtt ggggcagggg agggctgggg gaccctgacc ttccatggcc
240catagagggg gggggccagg gtgtggggac atttcgcagg cctgtcctcc taggaggggt
300cagtcagacc gagggccaga gggcgtggtg ggttctttag ccccgaggag ccagggatgt
360ggaggcgag ctgcggcggc tgcaggagga gaggacgtgc aagg

404

<210> 2447<211> 402<212> DNA<213> Homo sapien

ggcacgagag gagcgtact ttgagccact ggtgaaaaa gaacaaatgg aagaaaagat
60gagaaacatc aaagaagtga agtgccgtgt cgtgacatgc aagacgtgcg cctataccca
120cttcaagctg ctggagacct gcgtcagtga gcagcatgaa taccactggc atgatggtgt
180gaagaggttt ttcaaagtgc cctgtggaaa cagaagcatc tcttggaca gactcccgaa
240caagcactgc agtaactgtg gcctctacaa atgggaacgg gacggaatgc taaaggaaaa
300gactggtcca aagataggag gaaaaactct gttaccaaga ggagaagaac atgctaaatt
360tctgaacagc cttanataac ccgaacttca gacattntcc cn

402

<210> 2448<211> 392<212> DNA<213> Homo sapien

cggtgctgtc gggccacctc atgcccaccc cggccatcta ggtcagcac aaccagatg
60aggcgtga agggcacagg atgcccagga atcaccacct ggtaccagaa gcggtgccag
120ccagcaggtc ctatgcccaa acacttgggt aggaacacag ggctgccag cttcattcgt
180tgccacagca actgcagggt agcccgagcc ccttggaaac ctaactgtc ccttgccaaa
240gccaactggc tgccctctgg ctgtggggac cgcaagaagg gaccacaag ctgctggcga
300agtcgctgct tcaggtctgg cttgagccac tccacagcca cctgctctcc acagaggtgt
360gactgccttg taggaaaaat gcaagacaa gg

392

<210> 2449<211> 402<212> DNA<213> Homo sapien

ggcacgagag aggccttaaa ctctgggtgt gactactact gggaccagct gaacgagag
60gtcttactg tccattccaa cagcaggagc agcgagcggc ctggaaccag cagagccaca

361

120tgaggagacag acagagacat ggggctgatg aatgccattg ggcttcagcc ccggaaccct
180gccacctcag tgacatctca gggcaccag actctggccc ttcagctgca gaatgccgaa
240acacagactg agagggaggt gccggagcca gggacagccg cctcaggtcc tggggaaggt
300gagggttcag agtatggtgc cagtggagaa gatgcgctca gcaggatcca gaggctgatg
360gccggagggcg gcatgacagc cgtggtgcag cgggagcaga gc

402

<210> 2450<211> 393<212> DNA<213> Homo sapien

catagtctct aaggcatgac cattctgtcc tgtggtacca ggctggacta agctccatt
60cttttaagcc atgctgtccc ctgcaggagc ttccaagggt gagctgatga gcaatagtta
120tgagtcattg gaggagacat cccaaaggcg ccagctcccc tctgccctaa actgaaatta
180agacctggtg ctctgggtgg ggcctctgga aagggtatgt caactcatag gggaccttct
240ccaccttcac ccaggagacc ccaggaggac catggcagag ccggagccct cttttttttt
300ggtcgctttt tttttatta ttattatact tgaagtggta gccctctttt aaaaacaaa
360tgagaatagg ccaaagaagc caatcgctct tgg

393

<210> 2451<211> 392<212> DNA<213> Homo sapien

ggcacgaggc cctgcgcatg ctgaaataac tggaaccag cctctcctcc tacaccggcc
60taccatctg ggccaagag ctgcactcac actcctacaa cgaaggacaa actgtccagg
120tcggagggat cagcagacac agaacttggg ggggtgtgca cgctggcagg tggcctctgc
180ggcaattgcc tcacctgag gacatcagca gtcagcctgc tcaaagcggg ggtgctggag
240cgctgacaga cacagctctt ccggagcagc cttcaccctt tctctgggat cagtgtccgg
300ctggccgagc tggcatttgc tgaccgaatg ctcatagagg ttgacccca cagggtcacg
360caggactcgg aactgcctt ggaaacatgg at

392

<210> 2452<211> 404<212> DNA<213> Homo sapien

ggcacgagag gacttgcccc atgtgcaaat gtgacatact caaagctttg ggaattgagg
60tggatgttga agatggatca gtgtctttac aagtcctgt atccaatgaa atatctaata
120gtgctcctc ccatgaagag gataatcgca gcgagaccgc atcatctgga tatgtctcag
180tacagggaac agatgaaccg cctctggagg aacacgtgca gtcaacaaat gaaagtctac
240agctggtaaa ccatgaagca tttctgtgg cagtggatgt tattcctcat gttgacaacc
300caacctttga agaagacgaa actcctaate aagagactgc tgttcagaaa attaatctt
360aaaatctgtg taaatagaaa acttgaacca ttagtaataa caga

404

<210> 2453<211> 394<212> DNA<213> Homo sapien

cggtgctgtc ggaaggcaca ggcttttatt tatcccgat ctgctctcct gaaataattg
60tgagtcattg cctgaaatgc cggaggacat ggagcagag gaacttaaca tccctaatag
120gaggttctg gttactgggt ccaactgggt tcttggcaga gctgtacaca aagaatttca
180gcagaataat tggcatgcag ttggctgtgg ttccataaga gcaagaccaa aatttgaaca
240ggtttaattc gtggattcta atgcagatca tcacatcatt catgatttcc agattactga
300cagccctgtc ctaggagcac aacgttcgag aaatgctcaa cttgactgct ccaaattgga
360gaccttgggc attggccaac gaacaccatt tctg

394

<210> 2454<211> 396<212> DNA<213> Homo sapien

cggtgctgtc gccattttta gccatggtgt ctctataggg gtcagacatc atgtgcccag
60acctaaaggtc aggaatgtca tttttttctg ttaaaatcat tttatttctg tgtatcttac
120cttttaaatca ttgtggttta ctctgagatt ctgtagtcct aatattgtat cattgtgctg
180tctgcaaaac aacttgaatc tttttgttt gcactctttg ttacatgtaa cgcagctgta
240cttttatgttc ttgcaactg ttccattat gagaacgctg tgctatttac aaggttacat
300ttttcttggc caggcgaggt ggtcatgct gtaatcccag cactttggga ggccaagggt
360ggcggatcac ttgaggtaaa gagttgagac cagcct

396

<210> 2455<211> 393<212> DNA<213> Homo sapien

ggcacgaggc ttattgagga aatccagaag gaggctgaag aggaacagaa aagaagaat
60ggagagctgc gatgtgaact gccctcccc tgcaccccc caggccacca acggcagtc
120ttctgccttg tccatggcat aggccataga ccaggctcct gctgctcaca cctgggctc
180tctctggagc cgacctctgg gtagcaaggc agccgagagc atctccttgg aggggcccc

240gggttgggcca agggcagagg gggctgcacc tgcgggcctg ggaagcattg ctcaggggtg
300ggggctggga ccatggcccg cagaggcact gccacagctg tgagggccaa gatgctgtcc
360ccccatccaa aaccctgctg cactgcagt gag

393

<210> 2456<211> 392<212> DNA<213> Homo sapien

cgttgctgtc gcctcttctg atgtgcatag taggctagggt gttcccaggc aggatagtaa
60aggcctctac gccgatactc gggagaagaa atcaggtaat ttatggactc gcctaggatc
120tgaccccaag accaaagaaa agaatacgaa gaaagtggat cacagggcgc ctggcgctga
180ggagacgac tctgagctgc aaagggcatg gggggctctg attaaggaga aagagcagtc
240tcgccaaaaag aagagccgct gttaccagca cccttttccc aagaaaagtc aattcccagg
300tgcttattgg acatccttcg agggggaaga ggaggggaagc ggccagctca cccttcggg
360accctagtgt ggggcgaatc tcacggacct ga

392

<210> 2457<211> 401<212> DNA<213> Homo sapien

gggacgaggt ccagcccgtc tgagcttcca gcctcccctg caggtggcag cgctcctgtt
60ggcaagaaat tggagaccag cagaaggcct ccatctggaa ctccactac ctccaagagc
120acctctccaa ccttcacgcc ctccccctca cccaaagggc acactgcaga gtcctcagtc
180tcttctctgt catcccatcg gcagtcgaag agcagtgggg gctccagcag tggcaccatc
240acagatgagg atgaactgac tggaaacctt aagaaattat cacttgagaa atatcagccc
300atttttgagg aacaagaggt ggacatggaa gcgttcctca cactgactga cggtgacttg
360aaggagctgg gaattaagac agatgggtcc aggcagcaca t

401

<210> 2458<211> 403<212> DNA<213> Homo sapien

ggcacgaggg accatctaca gagctgctac tcaaaactta tggacaact ggaaacctcc
60aggagggaaa tgattgggct tcaggaaaga gacagacagt tacaatgtaa gaacaggaat
120ttgcatcagc tactaaagaa tgagaaagat gaggtgcaaa aattacaaaa tatcattgca
180agtgcagcta ctcagtataa tcatgatatg aagagaaaag agcgtgaata taataaactg
240aaggaacgtc tacatcaact tgattgaac aagaaagata agaaaatagc tatggacatt
300ttgaattatg tcgggagagc tgatggaaa agaggtcctt ggaggactgg taaaactgaa
360gccaggaatg aagatgaaat gtataaatt ctcttgaatg att

403

<210> 2459<211> 399<212> DNA<213> Homo sapien

ggcacgagtg actattgaaa atgcttagaa tgaaaaaat gaaaattctg acctaaaaa
60gcaaatcagt agtttgcaga tccaagtgc ttcacttgca cagtcagaga atgacttgct
120gaattcaaac caaatgctga aggaatggt ggagagatta aaacaagaat gccgaattt
180tacaagccaa gctgaaaaag cgcaactaga agctgaaaag acattggaag agaaacagat
240acagtgggtg gaagaaaagc ataagcttca tgagcgtatc acagacagag aagaaaagta
300caatcaagct aaggagaaac tgcagcagc tgcaattgcc cagaaaaaga gaaaatctct
360tcatgaaaac aaattgaaa gactacaaga gaaagtaca

399

<210> 2460<211> 397<212> DNA<213> Homo sapien

ccaggagagc ggcaattcag tttaaacttc cactatacag acagcggtag cagttcgtaa
60aaaatttagt ggatcaacat gagcctaaga agagttgcag acctgggatg tggtgatact
120tactcttaa ggctgctaaa agtcaatcca tgcattgaat tgcttggttg agtagatatt
180aatgaggata aattacgatg gagaggggat tcgttagctc ctttcctggg ggattttctg
240aaacctcggg atctgaattt gaccatcaca ttgtatcatg gctccgttgt ggagagagac
300tctcgtttgc ttggatttga cttgataacg tgtattgaat taatagaaca ttggattca
360ggtgatctgg ccagatttcc tgaagtggta tttgggg

397

<210> 2461<211> 386<212> DNA<213> Homo sapien

tgcgtttcca acagaaatta aggtcgatgt gtgcaaaaga gtaaatctgg acattactac
60tttaatcaca tatgtatctg cctcagcta tggaggctgc cactttattt tcaaagagaa
120agtgtcaca gaacaagcag agcaagagag gaaagagcag gttctacctc agctggaggc
180ctttatgaag gacaaggagt tgtttgcttg tgaatctgct gtcaaggact ttcagtcct
240tttatgatacc ttangaggac ctggggagag agagagggcc actgtgttaa ttaagcgaat
300taatgtggta ccagaccagc cttctgagcg tgccttgaga ctagtggccca gttcaaaat

360taatagccgc tcattaacaa tttttg

386

<210> 2462<211> 392<212> DNA<213> Homo sapien

ggcacgagcg gtcgaggagc tgtggccagc tttgggaggg ccggccccgg gatgctacac
60acaacccagc tgtgcctatg cggacatcac gtcgccatc aagtttctgt ttgagcgtgt
120ggagggcatc tccagggcta ccatcattga tcttgatgcc catcagggca atgggcatga
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta
240cccaggggac cgctttgcc aagcagggcat caggcggaag gtggagctgg agtggggcac
300agaggatgat gaggacctgg ataaggtgga gaggaacatc aagaaatccc tccaggagca
360cctgccccgac gtggtggtat acaatgcagg ca

392

<210> 2463<211> 385<212> DNA<213> Homo sapien

ttgagaagat cctcagcact cttgttaaag ggacacgcag acctgtgacc tgcaagattc
60gcacccctgcc attgctgata cctctccat tctgtcata gccacggag gatctcatga
120ccacatccaa cagtattcgg acatagagga ctttcgacaa gccacggcag cctcttcogt
180gatggtggcc cgagcagcca tgtggaaccc atctatcttc ctcaaggagg gtctgcggcc
240cctggaggag gtcattgcaga aatacatcag atacgcggtg cagtatgaca accactacac
300caacaccaag tactgttgt gccagatgct acgagaacag ctggagtcgc cccagggaag
360gttgctccat gctgcccagt cttcn

385

<210> 2464<211> 386<212> DNA<213> Homo sapien

ggcacgagcg cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcgtaaat aactcctcag gtccctgcct gcacaggggt tttcttagt ttgttgcta
120agagtacacc aaatgtgaca tcttttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
360ggcagagatt gccaatgcca agtccn

386

<210> 2465<211> 391<212> DNA<213> Homo sapien

ggcacgagcg cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc
60ggtcgtaaat aactcctcag gtccctgcct gcacaggggt tttcttagt ttgttgcta
120agagtacacc aaatgtgaca tcttttcacc aatatagatt acttcatacc acattgtcaa
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc
360ggcagagatt gccaatgcca agtccagagc g

391

<210> 2466<211> 397<212> DNA<213> Homo sapien

ctccagaata ttattaagac tcttaggggt cctctcagtt tgaagtattc ctgcccttct
60gaaagcacat ggaaactagc agtatcctct ctctcagag ttctttctat tgggtacct
120gttgcccggc agcatgcttc ttctggaaaa tttgacagta tgtggccaga actagccaat
180acttttgaag attttctctt tactaaaagc atacctccag ataactcttc tattcaagag
240tttcaaagaa atgaaaatat tgatgtcgag gtatgtcaac ttatcagcaa tgagatacta
300ccttatgcc aattttattcc taaggaattt gttggtcaaa taatgacaat gcttaacaag
360ggctcaatac attctcagtc atcttcattt acagaag

397

<210> 2467<211> 397<212> DNA<213> Homo sapien

ggcacgagaa agctgggctg gaatttccag aggaagatgc agaacaactc aagcatgtta
60ctgaacagca aagcatgggt cagaaacagc tagaacagat tcgtaaacaa cagaaagaac
120attgctgaatt gattgaagat tateggatca aacagcagca gcaatgtgca atggccccac
180ctacctgat gcccatgtgc cagccccagc caccctaat tccaggtgcc actccacca
240ccatgagcca acccaccttt cccatggtgc cacagcagct tcagcaccag cagcacacaa
300cagttatttc tggccatact agccctgtta gaatgcccag tttacctgga tggcaaccca
360acagtgtctc tgcccacctg cccctcaatc ctactag

397

<210> 2468<211> 390<212> DNA<213> Homo sapien

ggcacgaggc agccttctcc actcttccct cccttgaggt ttcgcccagt acctttgccc
60tcaggcgagg aaggggaata tgccttgcca ctgaagcaag agctacgagg agccatgagg
120cagctcccct acttcatccg gccagctgtc cccaagagag atgtggagcg ttattcagac
180aaatatcaga tgtcaggtcc gattgacaat gccatcgatt ggaaccctga ttggcggcgt
240ctaccccgagg agctaaagat ccgagtgcgg aagctacaga aggaacggat tacaattctg
300ctccccaaga ggccccctaa gaccacagaa gataaggagg aaacaatact gaaactagag
360accctggaga agaaggaaga agaagtaacc

390

<210> 2469<211> 387<212> DNA<213> Homo sapien

ggcacgagga tgaactctgc ctccattggt ggcctcgctg ctctgtctaca actctggggc
60ttcaagctgg actatgacag catggagcgg gaaattgctg agccactgtt tgacctgaaa
120gtgggtatgg aacagctggt acagaatgcc accttccgct gcctcctggc taccctccta
180gcggtgggca acttctctca tggctcccag agcagcggct ttgagctgag ctacctggag
240aaggtgtcag aggtgaagga cacggtgcgt cgacagtcac tgctacacca tctctgctcc
300ctagtgtctc agaccggcc tgagtctctt gacctctatt cagaaatccc tgccctgacc
360cgctgtgcca aggtggactt tgaacat

387

<210> 2470<211> 383<212> DNA<213> Homo sapien

actaactttt tctaagagaa attgattcct gttttgtcat ctgatgcaat ttgctcttat
60aaagagacat ttctataggt tcagagtaac tcacctccat gggctgacca aaggcttttc
120taatttttgt tactgatgag atgaaacctt ttgttaagga gatcttcccc aggagcattt
180ctgttgctt cttgacatca atgaaaagta gcattattct ttatgaaata gcagagaaaa
240acacagggca ttcttaggac agtaaaacgt taaagtactg gattaagaaa acaacaacag
300gctgggcgca gtggctcaca cctgtaatcc cagcactttg ggaggctgag gcgggtggat
360cacctgaggt caggagtgtg tga

383

<210> 2471<211> 371<212> DNA<213> Homo sapien

cggtgctgtc ggtccgtttc ccatatattg agggataaag aaaattaagc ctgcctgtag
60gcacgtctca aacttgggag actcagaata caacagagta tgggatacag ggaggaaaaga
120agagatgcag aataaatta aaaacaagat ttgtttaaag aggaactgca acttctttaa
180ttgggcagat tgaaccaata aaagcacagt tcttccctt cactgttat cctttagtct
240cttcaacttt cacattgctt cactcactct ctctctctcc ctttcacctg ctacacttac
300ccaacttgaa ctgtgccttc tgatctgaca caggatgaca atgacagcag tcattaccta
360gcagccattt t

371

<210> 2472<211> 383<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagctga gatcatgcca ctgtactcca gccagggcaa
60cagagtacga ctgtctcaac aacaacagca acaacaacaa caacatcttt cacaaaagct
120tatttcaagg aaaaacacaa agaaatttca caatgaatta aattaacagc cttggtagct
180aggttaaaaa atttaagca aagaaataaa agttgatacc aggttagcaa agacaaggta
240aaaaatagta ctaagacact tcaggacctt taaggatatt tgaagagggt tcaatattta
300gtatctaagg taaaaagagt tgatgcagta ttttcaggta aaggaaatcc ttgcaaaatc
360agactgattt gataatatta ggg

383

<210> 2473<211> 383<212> DNA<213> Homo sapien

ccacattcat cccagcctc gctgtacagc tattatgtgg ggatttgcca atcaataaat
60caaggcacct gaaaaatgaa ctggggaaacc aactgactt tccccctctt cttgattaaa
120acaaacaaca ttgtgaaatg tcaacctgtc agtcgttttg aaagtttgcg gcattggaaag
180gcaattaccc aatgacttt ttaaaagtat gagaatttgc ctggctgaac gttttttaat
240taatgccgtg agttaacatt aataactatt catagcttag tgagctgggc ttgaggtggg
300tttaggaaac atttggtatc tctggcaggg acagatgttg acctggccgg tcggcagctt
360ttacaaacct aaggacttca ggg

383

<210> 2474<211> 381<212> DNA<213> Homo sapien

tacggttgcg ataagactac agaagggtcg gcctcccaga gggctgggat tacaggcgtg

60tgccactgcg cccagccggn ccttgccttc atgtacctta gaattcagag gaaaaaagag
120atattaaaca aataaatata caaatgaaca tacaatttca gtgagggtta agtgccatgc
180aggtaaagaa ttaaggggtcc tgtttcattt actttttatc tgccttgacc tgtccttcat
240taattccaca aatacttact gaccactgca tggcaggctc tatgctgagc actgtgaata
300cagaagtgca tcttgatatg gggattcgaa ctgcatggag ctcacaccgt ccaaccaga
360ttgacatata taatagggtcc t

381

<210> 2475<211> 374<212> DNA<213> Homo sapien

ggcacgaggc tactactgcc actcccagtg tgctgacct tcaaagttca gcaacacctg
60ttaaagtccct tgctcctggg gaattcggta accatagacc aaaaggggca ctaagacctg
120gaaatggccc tgaattttta ttgggtcagg gacctcctca gcagccgcca cagcagcata
180gagtactcca gcaactacag cagggagatt ggagattaca gcaactccat ttacagcaca
240gtcatcctca ccagcagcag cagcagcagc agcagcaaca gcaacagcag cagcagcaac
300agcaacagca gcagcagcag cagcagcagc agcaccacca ccaccaccac caccacctac
360ttgaagatgc ttag

374

<210> 2476<211> 381<212> DNA<213> Homo sapien

cggtgctgtc gggccgggtg atcactcgag gtcagcatat tgagaccaac ctggccagca
60tggtgaaacc ctgtctctac taagaatata aaaagtaact gtgctggag gggggcgccct
120gtaattccac ctattcggga ggctgaatca agagaatcac ttgaaccggg gaggcggagg
180ttgcagagag catagaagga gccactgcac tctagcctgg atgacataat gaggtcagc
240ctatcatggg aatagtagcc tgaacctatg tgaaatctaa gaacatataa cactaatttt
300tcatagtata aattaaaaaa tgggtgccta gcgctggaga ttccgggaag ggacacagat
360tctctgtatt gatagactgg c

381

<210> 2477<211> 380<212> DNA<213> Homo sapien

ggcacgaggc cctttccagc ttgggttca cagccttctg ttattcctgc tgtcaatttt
60ttgtctttct actgtgcttt tcaaccttgg ttattcatgt atcaccttca tctgtgcat
120tattaccatt taactgcagc aagtaaagac gttaatagtg aggtttttgg gaatgtggta
180aaaccgggag gtatatttga ctttgtccaa gttatctgat gaggcagatc agctaaagca
240aaatacagtg ggttgtccc tactatcact gggacctaga gatttcatct acatctctga
300aaaatggggg ttctgtatga tagtatgggt gagaaggaat gacagcagaa ctatcaactg
360ttttctgatt atcctgatga

380

<210> 2478<211> 374<212> DNA<213> Homo sapien

cggtgctgtc gggagtccac aataaggggg cctcatgcac atgattgaca gagagccaca
60gcggccttgc attgtttata acaccagaaa gggacaattt agaagtgcc tctctgtctt
120aacactaact ctctttaagc ctgatcacct cccacattct aatagggctt ccattgccag
180ttgttttcta gaatttttcc tttccatttt caggggaagcg tgaatgttgc tttaaatgca
240gcgttttaat gtgggtataa gctttttatg tgacttaaat tacataaaca tttcagttgt
300gctgaatata cctcttattt tctagatttt catgttttca tacagctcag gttttgatgt
360attgttgtc tttt

374

<210> 2479<211> 373<212> DNA<213> Homo sapien

cggtgctgtc gggataaatg gaaatttcaa cttatttcaa attttgcaca tattatgaaa
60ccttattaat gtatttttat caaactaat cagatttgta tttgaattgt taggaaaaac
120catgtgcagt tttggctgat aattgaagga aaaatatcaa atactttgaa ttttttttct
180cttttttcaa accctctgca gaggtaggaa ggtatgaatt tcttttttat gtcaagatgc
240aaaaacaaat catgatgctt ttgttgggag aatttttgta ttcagtattt tgtatgtacc
300tttttttttt ttaattgga aagcccaatt aggttaaaca ttttaactttg cttgactcca
360gtgtaaaatg aan

373

<210> 2480<211> 367<212> DNA<213> Homo sapien

ggcacgaggc gactctagct tctggtagca gcccttcagt tcacctcct gccctgctca
60gaaccccttg gacctgacat cgcggcttta acacccttg gtcattgtgag aaggaagagt
120gcccaccag gactttccga ggctcacaga ttctttgaaa tggacgtgag cacaacgcc

180cagccccgac agccagggat cagatcgggt ttcacttctt aggagggagg atgtactgca
240ggggaggccc acgtggctgc cccaggcctg gccagcctct gtgacccaac aggactgact
300gtttttacggg atggccacac ggtaccctgc aggctcatcc atgggtgggac cttgatgctc
360ctttgtg

367

<210> 2481<211> 384<212> DNA<213> Homo sapien

gtagcacgaa ggcccactcc aaggttcttg ccaggctgga ctgtaacagc agtaccagca
60ccaggaatgg ggccaccatg tgatctttgg gtagaaatga cttttttggg cttgagttt
120tctttctaga atgcacgtga tcccttatcc cagggagggt gtaaagacca cactgtggag
180atccttaaat tgatgacgat ggcctatcga agccttgtga ccgcacagcc cctaacagtt
240tacaaaaacgc gtccatgatg aggacgggtc cattagagcc cccaacgttc tgtgaagtgg
300gcggcacagg ttggggaagg ggacttaatg gggttatgta atttgcatga aaatcacaga
360acctgaagtg gtgggtgaga ttca

384

<210> 2482<211> 383<212> DNA<213> Homo sapien

cgttgctgtc gcacatacat gcataggtat cctgtgtgtc cacatgcac attattatat
60aaatagaaac ttctgaacac cctcctaagt cactacagga tgccagcgtt tctattctt
120gggtagacag agccacctca gcctcctgat ggatgataca agaaattgtt acttcctagt
180atggaagtgt ctttaaggaca cgtctccatg atattttggt gaacccaaag tgctttatcc
240tcaacaaaat gttcctctgt tcccgattaa agtaatatc cctgcttcca agtaagcaag
300actgttctact aaagaaggaa ctttttagaa aactaatctc ctttatcacc caattttagt
360tctgcatgtt ccgaggtagc cag

383

<210> 2483<211> 379<212> DNA<213> Homo sapien

cgttgctgtc ggtctcccca gtagctggga ctacagacac acaccaccac gcctagctaa
60ttttgtattt ttagtagaga cggggtttca ccatgttggc caggctgggt tcaaactctt
120gacctccggt aatccgcaca ccttggcctc caaaagtgtt gggtttacag gcgtgagcca
180ccatgctgtg ccccataggg ttactttcat tccaccttca tgcttatggc cattcctctt
240atgctgtgtg gtggacatag agcttcacca ccactcctcc gcattgtctc tgtgtctgct
300gagcactaac tgcgtgcccg gcacagtact gagccattg ctcatctcag caggttcatc
360ccagcaacct gggagggaa

379

<210> 2484<211> 377<212> DNA<213> Homo sapien

cgttgctgtc ggaaggtttg gtattgtaaa tgtgctgttg ttccaaagaa aaattagcag
60aggacttgag atttagaaaa gtctcctttg taatgtgcat cattaccagt tatctaaaga
120aaaacatgta aaagccaaca aaacccttga aaatatattt catatggatg tctgtttcac
180gtttcaactg aagatgtata gagcacctct gatgatgagg aagataccat gctaggcagt
240actttcaaga acgtgagttc ttattttctg aggccttttg tgcccccttt taaatgttag
300cattttattag gtacaaacta gtggggaagg tttttttaa aagttttgca gtcttgtaat
360ttaccttttt aaaaaat

377

<210> 2485<211> 375<212> DNA<213> Homo sapien

cgctgctgtc gtatagaact aaaatgtctt aaaccacgct tagtttcata tttagaaca
60aaaaatccct aaaccattct gtttaactgt tagaaacct tctgtaaaat gaagaaaatg
120ggagacatgg aaactgattg ggggagttta gctttactct catttttctc agccattaag
180aagctggaag tatgtttctt taaagaagaa aaattcacag tgtgccatct tatttctct
240ttctgccact ttttaaaaat cttcttatc agaagttcag caaagtaaac caagtctggc
300ctaatacttt gatttacttg aatacctcta cgtatcttaa taattccttt aattttacat
360tgtgtaata tttat

375

<210> 2486<211> 372<212> DNA<213> Homo sapien

ggcacgagat tgtactggga agaataga ggtgatacct ttactagatc cttcagacac
60atctatgaga agatttgctt atttaaaagt ctgccactg aggataggga aaggattaag
120gattttttcca cctcctctta gtaactctg aattaccaac atcaacttct ttctctccgt
180tcttgaagga actttgggga atcatcttca tccgtagtta cgctttcctg aacctctca
240gtgggtttaca tgccctgaa actatgtgca atatttttg ttgacacttg tatccatcct

300taagaaatta gtgcagattg cagatgttct gtcttccatc ccaaacaagc ctgccatgag
360gtaggatcct ag

372

<210> 2487<211> 155<212> DNA<213> Homo sapien

ggcacgagct ccgcgcggcc tcggtccct gcgccgccg cccacaaca aaactcagcg
60cagcgtccc gggcgcccg ttcagagcga cctgcggctc agagcggagg ggagactgac
120cggagcgcgg atcgggacag cggccgggac agcgg

155

<210> 2488<211> 375<212> DNA<213> Homo sapien

cagctcatat ctggctaaca gtggcactat gggagtttat atgatctgtg cattattctg
60tggcatcacc ttctaagagc agagatgtga cccaataccc ctgttttcc ttaaagataa
120ccattaaatt atatcatga atttatatca ccgtccttga ctttatacgt agatttttct
180aattctgtca acccttaggg taatgaataa cttaaatggc caatgcctct gaataacatc
240atacttccct ttgtttctcc aaaaattgaa tcaagatgcc agggcaacta agattttctt
300caatttgcta agttaaaggc cagtgtattc attagccaat ggttctgtat tttattcatt
360ttagntttta ttcgg

375

<210> 2489<211> 379<212> DNA<213> Homo sapien

gcggattgtg acaaaatctt tcattaacaa ggggagtttc ggtgaagtgg aggtttgggg
60aaaggcgagg aagtcggtct ggagcaagca agcaaagtgc ggaagctgta ctgggattct
120tctagaaagt ggggtgggaa aggaggtagg gaggcggtgt gcagggacga gatctgtgtc
180agaacgtcgc tgtgagcggg tacaaaaccc gagagaggcg tgagcagcgc tgtgtttgcg
240agcgggagcg agggcgccg gctggggtgt gtgctcctga gctcttcaga aaccaggctg
300ctttcaggaa cattgctgtg gattcccagg gcctattcca ctagaagcaa gatggctgaa
360ctcaatactc atgtgaatg

379

<210> 2490<211> 372<212> DNA<213> Homo sapien

catctttggc gtaggccatg aaagacagga tgctcattgg gtgttctgct gagtgaggaa
60tgctgcctat tccctcgag tacgccctac ccagggatgt gtgttgaaga gccctggagg
120aaatggaccc agttttgcc catatcagta ttacgtgaa gatcaggtga ctggatgcc
180ccacctccca tcattgcctc ccatagccat tctgttcagt cagctcatcc acgctggatt
240cctgagaggt ttgcaatttg ggaagccatg aaaaaggctt ttatatcttg gaaagatgga
300gagagggaca taggatcggg gactcctaca tgacatgaat aggctggaga ttgggaatcg
360gccatccacc an

372

<210> 2491<211> 375<212> DNA<213> Homo sapien

ggcacgagaa actgtcagcc cattaagtgt tcattcttaa tgtgaaattt ctagatgaag
60gcaatttagc ttaatttgcc aagacatctc ttcatgtctg ggagggctgc tgggggaagt
120agagctggag tccattggag ccaccaatct gcagaagtct agaacacaaa ggacacagag
180tgggttttgt gggtcattgt ggcatttgtc aaggaaaagc aacattgcc tctaaatgac
240tcccacttct gttctggaaa aaacgcacatc tcattcatgc caccatccca atagacatag
300gaagcaattt ctcttcagg tttgagatgg tgcaagcatt gacttttctt tctacagagg
360gctgggatgg ggggg

375

<210> 2492<211> 382<212> DNA<213> Homo sapien

accgcacgag ggaaaatcaa acttcttggt tgttctagct ttgaagcttt tgcttcagta
60atatttgrtt aaagaaccag atcacatacc atttatcaaa gtctttactt aagccagact
120actttgcaga catacatatt tggaacacag actgtttctt gtteactaga tagaatctgt
180attgtagtaa gaaactactt acaagggtggc ttctttctg ctttgctact ctatgtataa
240ctcaataata tatgtatggg cacagggctc ctggagatgg tttatttctt tatgacagac
300acatgagtat gcacctctct ctagtctct gatgtcactg cagctacagt ctcttctcac
360ctctgttttg agagccttca aa

382

<210> 2493<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gtgagaacgc aatgtcaggt gtgggactcc ttctgcccct gcagtgggtg
60ttacgggcgg tgtgccttgg cgagcaagct ttgattcttg gttctttgag ctcgtttcag

120aggctgagtc cccacatcag ctttagttct tggacttccc tgtattaagc aagaattagg
180agaatggctg tccctgcagg cgctcccgt aaatcctgag ctctctggcg caatctgaaa
240cttctcttct gttttctttg gctgtatcag ccgaaccagg agaggcctgg gctgcgacta
300aggagaaaga aatcgggggt ttctgagagc agatgggtgcc tttgtgggtg cagggtttt
360gtggaaattg tcacg

375

<210> 2494<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gaaagttcca tataatgaat taaaagaaaa gtgctgtgaa gaaaacaaat
60tcaggatggg aataggaggt ccaagggagt gcaagggtgt ttcattttga atgtgggtgt
120ctgggaaagc ctactaaaaa ttgagaaaag acttgatgaa agagaggagt gagccatgca
180gccatttggg ggacaacttc caggcagacg gccggaggca gcagtgcagt ggcgtagtcg
240gggcagtgtg tatgcctcct gtgtagcaaa cccagggcac cctttattaa gccaaactatt
300agggtttcca ctgtttggag gtggctcctg ttcttgagaga cccccaactc tgatgtttt
360ttggaattgc t

371

<210> 2495<211> 368<212> DNA<213> Homo sapien

ccgttgctgt cgggcgagtc tttaaaggag tggctcatct ttcctctccc tggggcattt
60tgggtgtggga gactacaggg gatgaggtta aaaagcttgg tgggcaggta gaggatgggg
120agagaggtta gggccctggg aaagggtggga gatcagccag agacagggtt cccagaacag
180aatgtctggc ctttgtgggt aggagggact gtggatgag ccgcagaagc gggccagggg
240taaacctccc tgtgcgtcct tccttcagcc tggctcctgag ggtgaccctt tgatcctggg
300ttctccaggt agggctgtga gctgtgagtt ggatcctttt ggtgaaatgg tctctctcat
360ctggcctg

368

<210> 2496<211> 378<212> DNA<213> Homo sapien

ggcacgagcc aaggcctggg ggccctcggt cccctgcccc tcgtaccat cctgtccttg
60gtggccctg aggaactccc tcctcaccac tgggtcccac agggctgagg tgggcagtag
120agggcatagg tgggtacatg tcccgggcaa ggtctctcgg ggggacagaa gtgagtccag
180ggagtgggtg ggccctggcg tcctcactc aaaatgccgt ggggtgagga cggtagggac
240aggggtggga ctgggttctg gtttagagtc agtaatgtta gggcgagtg ggcagggggg
300caggacatct ccagccgggt gtgaggaagc atgggtgggt ctctccaca ggacgggagc
360tggngagggt gtccctggg

378

<210> 2497<211> 384<212> DNA<213> Homo sapien

cgttgctgtc gattttaga ccagactggg atccacagtt taattgaggg tttgtccag
60tattcctggc ccaatgacaa agatcctgtg gatggctcct ttcctactat gacttttct
120aggtgtctgg ccacctatgg aactgataaa cctgacactc gctttggaat gaagattata
180gatatcagtg atgtgtttag aaacacagag attggatttc ttcaagatgc acttaataag
240ccccatggag ctgtgaaagc catatgtatc cctgaaggag caaaatactt aaaaaggaag
300gacattgaat ccattacaaa ctttgcagct gaccatttta atcaggaaat cttacctgta
360ttccttaacg ccaatagaaa ctgg

384

<210> 2498<211> 371<212> DNA<213> Homo sapien

cgttgctgtc gccatgccat tgacttgat gcagaagcaa tggctcttcc cctctatcgc
60cgaaccataa gaggaaggag cttggataca agacaagtgt acaccaaag tgaaggatg
120aggttgaag atctctatga gcttttgaaa cttgttaagg aaaaagaaga agtagagggg
180atatcagtag gtgctatact ttctgactat cagcgtatc gagtggaaaa tgtgtgtaaa
240aggcttaatc tccagccttt agcttatctt tggcagagaa accaggaaga tttgtcaga
300gagatgatat catctaaat tcaagcaatg atcatcaaag tagcagcttt gggtttagat
360cctgataagc a

371

<210> 2499<211> 377<212> DNA<213> Homo sapien

gtccaagctg ctggccttgg agcaatgacg tccatgggtg gtaagggttg caaagattct
60tttggcaatg attatataga aaacttaaaa cagaatgata ttctacaga atttacaat
120cagactaaag atgctgtac aggaactgct tctataattg tcaataatga aggccagaat
180atcattgtca tagtggctgg agcaaattta cttttgaata cggaggatct gagggcagca

240gccaatgtca ttagcagagc caaagtcacg gtctgccagc tcgaaataac tccagcaact
300tctttggaag ccctaacaat ggcccgagg agtggagtga aaaccttggt caatccagcc
360cctgccattg ctgacct

377

<210> 2500<211> 346<212> DNA<213> Homo sapien

tttcgtttgc gagaagacga cagaaggca aggaactagt gtgtatcaag ccataactaag
60ctggagttta gcaggacaaa ggcaactaa atgtagaaca taacatatca gctgaatatg
120tctatccagg actgtttttc tagaacataa atcatggagc tccttgacag tgtatccact
180gttttttgggg ttttaataaaa ccaactagaa tttagactta caaagaaatt attattcctt
240ttgggtgtcc acataaagca gtccagggtc atcatatggc taaaatcaag atatttgggt
300catctctggg atgtatttat aaagtcaact tatcagccat taagat

346

<210> 2501<211> 344<212> DNA<213> Homo sapien

tactttctgc gagaagacga cagaaggggg cgagggggca ccttacttac ctcaggggcaa
60tcccccaac actggagaca gtctgttcca aacaggagtg ggagacgaga ctgaatggag
120tttgataat gaaaaagaat gtctgggacc aatttaatat tcatatccag ttagtgagga
180acggagccaa gctgagcaga cttcctcaaa tccctactec cactttacct ccacccccat
240cagagacaga cttcatgctt taggtgttcc aaccaggcc ctctctgggt cctcggatgc
300ccttttccat tgggcaggtc acaatgccca tggttatgcc cagt

344

<210> 2502<211> 338<212> DNA<213> Homo sapien

agggtctatg ctgctagaag acgacagaag ggataaccaa acctcctaga ctaacaacac
60agtcattcat cttacctcca agaaaaacat aaccccaacc agctatttgc cctgctccca
120gtagaggcag acacacctga atgtgctatg aagagacaag ccttagggga gaaacagtgt
180gatttggaca aatcattcta taacagcga acctttcgat gtgttcaacg gctgcagaaa
240gcacaccaca ggtgagagac cagaagtgc ccaaggggtt ttatacaaaa aaactatatt
300taggtatagg gcacagtcta cgtagaaaac ctttcaag

338

<210> 2503<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaacaaaac cctctgctc tcactcgcga gaggtcatcc
60ctgagtcagg gtggcagtc cccccgggg ggagaggag agtgccatag gttgaggctg
120gggactctgc aactggggga ggcacggtta aattaacacc tgctgatccc atgggacctg
180gacagggttc ttgacttttt gggggccgct gtcaaagggt gattataata acctcctccc
240cacagcaaat taataaatgg catgtgcaca tacagcgctt gcctcatgtc tcacatgata
300aacctgattt ctgggcactg gctgagcgac tatgg

335

<210> 2504<211> 475<212> DNA<213> Homo sapien

acttgaactt nnaaggatc ccacgatcc gctcagatct ccaactctc ctccttcttc
60taagccatca agtattctc ggaaatcac tgtggatctc aatcaagttg catgctttc
120tccagctgcc ctatcacctg ccagtcacac acaaagatct ggaactccta agccatctac
180tcctacacca accccttcat cgacccaca cctcctgat gctcagagct caactcctag
240tacccttcca gccacccta cccccaga ttcaggcttc acccctcagc ccactttgtt
300aactcagttt gctcagcagc aaaggctctc gagccaggca atgcctgtta caaccattcc
360tctttccacc atggtaacat ctataactcc aggaaccacg gccaccagc tcatggcaaa
420ctctgctgga cttaacttca tcaatgtagt gggctctgtt tgtggggccc aggct

475

<210> 2505<211> 446<212> DNA<213> Homo sapien

gacaattctc anggcctttn tggaagatcc catcganncg gttgcggcac gagaatgctt
60ttgccattat acctatattt tttagaacag caagccctat ttgaccactc tcttcagcct
120gtgtgttctt gctgttttga agtaatcaaa tgctgtgcat ggtattttac ctgagctgca
180acctgttatg gacttgaact tctgtttaag ttgaaagcaa gattccctga gtataaagga
240aaaaacagcaa aacaaaaagc aaacaaaaaa aaactgcaaa agtctaaaat acccattggt
300gatgtttttt aaaaaaatct tgctttcagc tttcaggagg taatattctt tgttttaatt
360tgataattgg atatggttga ttatattgg gtttaaaactg cggagctttc atgtttactg
420gtaattagtc ttaaaatatt ttttac

446

<210> 2506<211> 444<212> DNA<213> Homo sapien

tagctccatc ttatagcac gacccgctcg attccaagat cgctgctgtc ggcattggaag
60gatgcatgta tgactgagga aaagtcattc agtattgagt tcatttgcac tagaggaatt
120tcatagttta aaacttgtat atctttacct atccttcgta tgtttcttc ttaagcatat
180ttgacttttt ctacctcagc atctgtataa gaaaatattt gtgagtcaga tgtttgtggg
240ttttccttac ctattattat tttcttccat gctttacaac acatttttta aactaccttg
300ttcttaata attacacgga cctgcttctg tgtactttca cagaatcttt gacagttaaa
360aattgtatgt tatataaaaa ttgacaagc ttctacagtt aggaaaagcc tttagaaatc
420tgccctcccc aaaccgtatg ttat

444

<210> 2507<211> 431<212> DNA<213> Homo sapien

ttcaaggacc acatgtgttc tctattttgc ctttaaattt ttgtgaacca attttaaata
60cattctcctt ttggccctgg attgttgaca tgagtggaaat acttggtttc tttcttact
120tatcaaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
180cctgacaaat attgttacca tgaagatagt tttcctcaat ggacttcaaa ttgcatctag
240aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggccattggc c

431

<210> 2508<211> 433<212> DNA<213> Homo sapien

cgctgctgtc ggccggcagg aaatttaaac tgaagccgcg gccgaaaacg ccaagagatt
60gatgctgtag ctgccctgag ataaccagga ctgtggaatc gggaagagct catggagctc
120gcgaatgtaa tacggaggcc tctgaggaag gagtacggag gccgagaagg agccggcatt
180tgatgagcga accgggaaag ggagacgatt gcctcgagct ggagagttcc atggctgaga
240gtaggctccg ggccccggac ctaggagttt ccagggtgtc aggaaaatgc cagaagaact
300caccaggtgc caggaagcat cccttttccg gaaagtcctt ttacttggat ctgcctgctg
360gcaagaatct ccagtttttg acgngggcca ttcagcaact ggggtgggta attgaggggt
420ttctgagcaa aga

433

<210> 2509<211> 425<212> DNA<213> Homo sapien

tagatatgca tgcttgagga aacttgcttt tactgttttc ctacttgtat cccagttca
60gttgaattta caaggacctt caagatggtc atgtttgtct tggtagtgc taccacaatt
120ttagtgtttc tttctttatt ttaaatcagt aattattcag ttgattgttt atactatata
180atgaagtaac aaaaacattt tggttgtat gttttaagta acagttgtgc aaattcctct
240tgtttgtag gtgtccctt tgaatatttt gtgaactgtg tcacagggag aggggtgggtg
300gctaggaaga gggtcagaaa gaagctagag ggaggtcagg agaagggtaa cagggaggat
360gcaaagcaga catctacctt ggtcacccca ggatcaggat atctgtcctt ggttcattgt
420gaatn

425

<210> 2510<211> 423<212> DNA<213> Homo sapien

ttcaaggacc acatgtgttc tctattttgc ctttaaattt ttgtgaacca attttaaata
60cattctcctt ttggccctgg attgttgaca tgagtggaaat acttggtttc tttcttact
120tatcaaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag
180cctgacaaat attgttacca tgaagatagt tttcctcaat ggacttcaaa ttgcatctag
240aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg
420ggc

423

<210> 2511<211> 421<212> DNA<213> Homo sapien

cgcacgagag agagagagag agagttattt tgagagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag
120agagagagag agagagagag agagagagag agagagagag agagacacac cctctctctc
180tcttctctcag tgagtgagtg agcgagtggg gtgtctcccc cccctctct ctctctgtgt
240ctattgtctt tttctggcgc gtattgcttt atctctctct ctctctctct ctacatata

300tattcccccc cccctctct ctctctcaca caaatTTTTT ctttttttgt tctgtgtgct
360ctctctctat aaaaccact ctctctctt tttctctctg cgtgtgtgcg ccttctctcc
420c

421

<210> 2512<211> 422<212> DNA<213> Homo sapien

ggcacgaggg caaatccttt gagctgttaa gatgataatt tctgtcttct ctctacatc
60ttctctctccc actcctcct ttggtgtgaa tattggcttc ccaattaaga cttttttttt
120tttttttccaa gttggtttta ccaaataaag gtttggggag aaccttgccc ttttggaaat
180tttaaaaaaa ttttttacct tttcttaaaa taagtttctg gtttttccaa gggtttaaat
240gaaaatgggg aacaaaagaa aaaatttggg gcggattttc tttttccctg gtaagggggg
300gagattttcc caaacgggag gggccccccc ctggttttga acctggaacc acatccccgg
360gggggtgggaa agggaaattc cccaccggga agccttggtc ttggttccc agggccttgg
420gg

422

<210> 2513<211> 422<212> DNA<213> Homo sapien

ggcacgaggg agccggacca ggagttgggt tctgtctctcc ccgagcctcc ctttctcaaa
60tcccgcaggg tcttcgcgag gatccggggc gctccccgcg gacctgctc gcccggggct
120tgggctcggc ctgctctgct ggggacttct gtatgcacc cgtgcagtgt ccccgacagg
180cgaccccgcg cgcccgct ctagggggtt gggacggagg acagctagcc tgaagtctgc
240tcccagccgt gactggccg cgaattcggc gctgagagcg ggagaggag agaaaaacac
300tttgtatttt ccaggttgcc ttgtagggc cccgcatttc taacctgttc ttcctcttgg
360tggaaggcaa agtccaggga gaggtgtctc ctatgcggng cgtggtggn gctgagggac
420at

422

<210> 2514<211> 422<212> DNA<213> Homo sapien

cgttgctgtc gaagtatttt accttgactt accttctgtc accatatctg aaaaacttca
60aaaggacatt aaggatctgg gagggcgagt tgaagaattt ctacagaaag atatcagtta
120tcttatttca aataagaagg aagctaaatt tgcacaaacc ttgggtcgaa tttctctgt
180accaagtcca gaatctgcat atactgcaga aaccttca cctcatccca gccatgatgg
240aagttcattt aagtcaccag acacagtgtg ttttaagcaga ggaaaattat tagttgaaaa
300agctatcaag gaccatgatt ttattccttc aaatagtata ttatcaaatg ccttgtcatg
360gggagtaaaa atttctcata ttgatgacat tagatactac attgaacaaa agaaaaaaga
420gt

422

<210> 2515<211> 166<212> DNA<213> Homo sapien

tgtttggtct gactcttac ccattgatgc agttgccttc attatattaa ctgagtttta
60aatttgcggg ggggaagcta ttttacctta tgcagggaac ttaacaaggc ctaatattaa
120cctttatttt atttttaggg agttactttt ggctgcagga cctcgg

166

<210> 2516<211> 415<212> DNA<213> Homo sapien

ggcacgagga gagagagaga actagtctcg agagcagnnn nntttttttt tttttttttt
60ttggggtttt ggggttgggc caataaaaaa actttttttt ttacaacaat tttaccccc
120cctttttacct ctttttttcc ccccggggtt aaaaggggga aaactcttgg gggttttccc
180ccccctttt aaaaaaggaa accccccctt tttaaaccgt gtttttttcc cccctccga
240ggagggggaa ttttactcca aaaacccctt ttttttaaaa aaaaaaaccc ctgggggaat
300tttttttttc ccgggtttta aagaccccc aaaaaaaaaa aagggttttc cccacattt
360tgtggcgggg aaaaaaaccc ccccttttt tttttcccc cctcaaaagg ggccc

415

<210> 2517<211> 416<212> DNA<213> Homo sapien

cgttgctgtc gaagaatagg agagaataga ttatgtctt ttaaacctga gagagggttg
60ctctccttaa atagtatat agagccttaa atgcattttt gttgtgttg ttgatcatt
120acagaaatag ccagaggtaa tggatttctt cttaacaaat tgaaggatta gctctgtaga
180aatgttgaat tttaatgtt ttcttgtac ctgatagaat tgcatagtgt tctgcatct
240tatatgagag gcagtttaag gtgcttcac aactgtggat ggaatcctca aagtccagtc
300tctgattggc tgccaggggc ctaaaccagg tgaatatttt aatcaactat acaggagtca
360accatcccaa gaggtaaaga attgcataga tcttttagtt taagggaaaa aaatn

416

<210> 2518<211> 413<212> DNA<213> Homo sapien

ccatcgattc gaattccggt gctgtcggcc tcatttgcta tcccagcattc tcttaaaact
60ttgtagtctt ggaattcatg acagaggcaa atgactcctg cttaacttat gaagaaagtt
120aaaaacatgaa tcttgggagt ctacattttc ttatcaccag gagctggact gccatctcct
180tataaatgcc taacacaggc cgggtctggt ggctcatgcc tgtaatccca gcactttgag
240aggcctgagg tcggcggact gcctgaggtc aggaattcaa gaccagcctg gccaacatgg
300caaaacccca tctctactaa aaataaaaaa attattagct gggcatgggt gtgtgtgcct
360gtaatcccag ctactcanga ggatgaggca ggagacctgc ttgaacctgg agg

413

<210> 2519<211> 416<212> DNA<213> Homo sapien

ggcagagat tttaatcagc tatgtcattt ctgcgtctcg ttgtatactc ctggaaggtc
60ttagagaaat cctgccaaga aaatatcccc tggatgaatcc tcggggcact agtccacgcc
120gcactgtcag caagtatctg ctgaaacaag tatttttgaa tcttttagctt ttctgtagct
180ccagtctttt taaagtactt cttttgacct tcaagtaaca acgagcactt gctttaaaaat
240ctcgacagtc ttccaagcct tttaacattc ttattccact aaataagctg tcggcgctca
300ctgggacagg cagcacagtt gcttgaacgc ccggcttgaa attccacgaa atgtcacctc
360ctctgtgaag cttctacaa ggcagacttg tctatttctt acttaatttt actatg

416

<210> 2520<211> 413<212> DNA<213> Homo sapien

cggtgtgtc ggaagaattc gggccgcag gagttttcca gtcccagcta cccgggaggc
60tgcggcaaga ggattgcttg agcccaggag ttcgagtcca acctgggcaa aagagtgaga
120ccccatctct aaaacaaaa aggtacctta gaaggcacc tggttggcta accttttaaa
180ggcaggggcg tgacacgtag gacacattgg gaatgtcttg gctactacat gtagccttct
240gggatatatg tgcccagagg gagaagcact gagcctgaag aaactagatg agtctcagaa
300ccacagaccg gccagaaatc tctcccacca ttatatcagc gtgatacagg tctacattca
360tttctacaaa caggaacaag ttccttgtag caataatatt attttatgac ttg

413

<210> 2521<211> 166<212> DNA<213> Homo sapien

atataccctg tctcacttct cagaggtagc agtcactaat actgggggtga gtgattttac
60tcaaaggaaa tcacactatt aagcagcttg gttttgacat gttatgttgg ggctatcttt
120tcatgtcaat acatagatta atcttttatt tcaaagtctt acataa

166

<210> 2522<211> 413<212> DNA<213> Homo sapien

cttttggttac ctaaaataat agtaggatct tgttttggtt tatcaccagc acacagattg
60ctataaactg ttactttgtg aattacattt ttatagaaga tattttcagt gtctttacct
120gagggtatgt ctttagctat gttttagggc catatctta ctctatcaaa tgatcttttc
180tccatccccc aggtgtgct tatttctagt gccttgtgct cactcctgct ctctacagag
240ccagcctggc ctgggcattg taaacagctt ttccttttct tcttactggt ttctctacag
300gcctttatat ttcatactat ctctgcctta taagtggntt agtgctcagt tggctctagt
360aaccagagga cacagaaagt atctttttgga aagtttagcc acctgtgctt tct

413

<210> 2523<211> 416<212> DNA<213> Homo sapien

ctgggggtgaa tgcacgtcag tggaggcaga atcattctgt ctgaatgaat ggagtttcca
60ggcccccaact ggccctctgt gtgagggtct gcagggttg gcaggacagg tctttctctc
120cggcgagagc acccaccctg accggctgct ggatgagggc accaaagctc gctagggagg
180gtctctgtcct tagggaggag ctgcggaatc cctgcagctg tgccccagg ccctgccttg
240cacacttctt gcagccaggg cggccctggg gaggtcaggg caggccgggg aggctgaggc
300ccacctgcca tagtngcag gtgcgggagc caggcgcgca gtggcctcgg ggctgggtgg
360ggcgcttgc ctctggtctc tggagtagtc angggctctg cagatgctga gaggcc

416

<210> 2524<211> 414<212> DNA<213> Homo sapien

aaaagtaatc tttatgcctc agcctcccat gtactgaga ctaccacac cttgggtccca
60gttagttggg aggtctgagg gggaaaatca ctttgcccag gatataaacg ccgcatggag
120ctatgattgc accactgcac tccaggcaac agagtggagc cctgtcttaa aaaaagaagg
180gagaaagtgt caaatggtga tgaggctctg gggggaaata gagaatgggg atcacgagtg

240tgatggtgg tattccctca ccaagatgtg acatgtaagc acgccgctgg gaggagaggg
300tgcgaccgc gtggaatttc cacaaccacc ctccgctgtg aggccacacc caatgcagag
360gccgagaggg gggcacccca atcccccgga actgggattg tgaaggctag gtcc

414

<210> 2525<211> 413<212> DNA<213> Homo sapien

ctgaccagct ggacgccatg ctggactgag ccctccagca gtgccactg tgacctgccg
60aagtcactg cttttgcccc agcacagaag agggccctgc caccctaggg acgggccaag
120ggctggtcag gctgaagtgc ccctcctagc agggcccttc cccactcagc ccgcggtgtg
180gggaccaca gctcttgtgg ggcagccac cttagaacct gactagcgag ggacctccgc
240tgcattcag caaagccct cccagggttt gatcgattga gcaggacagc cctgctcctg
300gacagggacc ctggttaagag ctctctcttc agggaggaag taggggtggg ggctttgggg
360tgctttctct gtacccccc gcccatgtcc caagttgtgc caagggaatg cct

413

<210> 2526<211> 416<212> DNA<213> Homo sapien

cgttgctgtc ggttaagtgc attcttttgg tggctcgatg ttaccctcat attttcagca
60ctaatttttag ggatacagtt gatataatag ttggatggca tagagatcat actcagaaac
120cttcgctcac gcagcaggtg tctgggtggt tgcagagttt ggagccattt tgggtagctg
180atcttgctcatt tctacgact cttcttggtc agtttctaga agacatggaa gcatatgctg
240aggacctcag caatgtggcc tctggggaaat cagtggatga agacgtccct cctccatcag
300tgtcatcacc aaagctggct gcgcttctcc gggtatttag tactgtgctg aggagcattg
360gggaacgctt cagcccaatt cgggtcctcc aattactgag gcatacgtaa cagttg

416

<210> 2527<211> 408<212> DNA<213> Homo sapien

ggcagcaggg gagaggccgc ttgcatgacc ctgacatcgg cagcgggagc ggcggccaga
60ctctcttggg agtttaggat atttcacagt tctgaatggt agccactgaa aatgccagta
120gatgatgaag cctctgaaga tgacacggat tcatttttct caaacagccc aagaaccttt
180atttttccaat aagagaatat aacaatttct gtacactatg gaagagtttg acttggtgaa
240aaccttacac aaaacttcat cttctgtagg atctgatgaa aattctcttc attctcttgg
300actgaactta aatactgata ggtaagaatg ggatttaaaa aaaatgtacc aaatcagaat
360aaccttattt gcatacgttt atcaacttat ccaaatagtg tegtgtg

408

<210> 2528<211> 409<212> DNA<213> Homo sapien

ggcagcagat tctgtggtgt cctagaagca ttattggtag gttctaaagt tttctagact
60ttcctgtcaa ttgtaagtaa ttgtgatata ttctatgcag tggatgaatg ttctttaaat
120ttgtgtaaat actttctgca aggtactgat gctgtaaagt caaacagtt ttgtggaact
180gtgaattttt tttctttttt cttttttttt tctttttttt ttggaataa accccttga
240aaaaaccaatt ttgctgcctg aaaaagaagg gaaaaaaaaa cccagtgct ttttttaaaa
300aaaaaccttt tgggaaggat ttttgggttt tccttaacat gaacccctt gaaacgtttg
360cggggccaac ctcaaagctg ggacaaaatt tttttttttt ggaaatgga

409

<210> 2529<211> 408<212> DNA<213> Homo sapien

ggcagcagaa caatatgagg tacagaaaga aaatgacaat ttgataactc ccattacaaa
60gaaaagaatt actgagttca taggctgcca ttcaacgtgt taggaacagg gtagagctgt
120gagggacctt tattgctgag gaaatggaag agttgaatag gatttaggga tgaggatact
180gtggagaatg ggtacacca agggagttga gttgattgga tttgagggtc tgggagaagg
240tcaaggatta ctccagtttc cttctagagc ctctgggtgc aggtaggggc agtcatgtg
300ctattggagt gtgacagaag agagaatgtg aggtttagtt gtggcacaga ggagaacctg
360tgagtgagag ttgtgtctac ccgtctaggc ttcaggggagc cgaagact

408

<210> 2530<211> 165<212> DNA<213> Homo sapien

ctcccttggc gatctgcagg aacactagta atgactggaa ttactccgtg atctttgatg
60actattacac ataacagcac tctagcacct tttcttactg gcatggactt cctcatggac
120tgctacttca tggatgatag ctctattgct ttgggtaggg attta

165

<210> 2531<211> 409<212> DNA<213> Homo sapien

ggcagcagaa agaatagaga gaaagggagc cgctgtgctg gtggggtaca ctgcagagga

60gtaagtcttg tgtcaaagca ggaatctgat cagaggttca gaattggaag tacaatttca
120ttgtctttgc aatttctaca aattaatttt aaagtgtcag aaaaaggtga cggcaaggac
180atgcattgca atttgcaggg ggaattgtca agtgaggact tcatcacata tgacacgaga
240gaaaagtaag agctggttct aaaatcaaaa gctgttgttc atcctgaatt gaattttctg
300aatttgggtg gagcagagtc gctttgaagc cttggtccga tctaattcta ttgtattggt
360gatgataagt gttgacattg ggtagtgtaa agcaacaagc atgtcttgt

409

<210> 2532<211> 409<212> DNA<213> Homo sapien

ggcagcagggt ttctcaagga ccttgaggac cccagaagcc cttgcagcag gaaaggctgt
60aaggggggggt cagcctaggg caggacctag ggaggggaac tttcttgata catatttgcc
120ttttcatccc atctagcaag cacagtgtta attttagaaa ttatagaaga aaaaatcagc
180aaggagtgtg ggaaaactgc atgccccagg cctccccccg cccagggtga attggaagcc
240ctggaatggg ccgaggcaca ccaggcagct gatctgggtg catgtgggcc acagaccact
300ctcacaaggt taaatcttta acaagagcct catgtttgtt aggagaaggt gggacccacg
360cccaagcact tccccattgc agcctggcat gaaatctttg ccttttagt

409

<210> 2533<211> 412<212> DNA<213> Homo sapien

ttttcggcac gaggagagag agagagtgtg agagtgtgat atgagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gagagagaga gagagcgcgc ccccccccc tctatacacc
180cacacgcgcg cgcgcgcgcgc tctctctctc ttctctctca ctgcgcgcgc tttgtgttt
240ctttcgcgcg cgcgcctctc ccccccccc cccctcactc tcgcccccc ccccccttc
300ctttgcgcg cccccccat atctctctc ccccccccc cctctcttt tctgtgtgtg
360tgtgagagag ggatattttt tttgttccc cccccccacc ctgtrtctt tt

412

<210> 2534<211> 411<212> DNA<213> Homo sapien

cggtgtgtgc ggcgctgtgt ctgcctggg gtaggggtgt gtcctgtcag ccgtgggggc
60tgctcttctt ggtgggtggag gccaggctcc agtccttccc cacacttcta gaaacatgca
120ttctctgtta gggcctgcaa acctgcccta ccaaacctga aagagggtcg gctcatctcg
180gaacccgctg cgtgccaacg caggcacgag gaggtggcag gcatcccgac ccccggtggg
240cctgtgttct agagtgcaga gacagaactg gctgggaggt gcggggcatt ggattgtacc
300agtgtgtggg aggagagcaa agcaggggaa ggtctcggca gcgcgaggt gtggccgaga
360gggtgtgtct ctgcaccatg ctgggatgca gaatggaggc ctgtgccgcc c

411

<210> 2535<211> 406<212> DNA<213> Homo sapien

ggcagcagcc tacaagttt gtatagcaag cctctttctc ccttgtgtg gtgcctcctg
60accgaggttc tatgtctttg acattctacc tccagtattg ctttgtact tcagagatct
120cttctgttgt tagagaaatg gctgcaaagt gaacataggg agttctttgt tgttgttatt
180aaagatatgt atatttctg taaacagcta agtctgttta gatcctagga catggcattt
240atatagcaga atattattta aatattttc atctcgtgac ccattagcca ccaagtatgc
300tctcttaggt aatttttaca tagtagtacc atgcccagct ggatagagtt gccttgaaga
360agtgtatatt acaataaaac aaaattttac aatatttaca atanag

406

<210> 2536<211> 404<212> DNA<213> Homo sapien

cggtgtgtgc ggaagaattc gccgcgcgc gagannnnnn tttttttttt tttttttttt
60ttgggggttt tttttaacca aaagggcctt cccccgtttt tttttaaac ggttttggg
120gtttaccccc agcccccttt ttttgggaa aaaaaaaccc ctccctcttt ttaaaaaaa
180cccttttctt tttttttttt tttaaaaaa aaaaaagggg gggggggaaa aaaaaaaa
240aagggggggg ccccccccc ccccccttt ttttagggg gggcttttgt tttttaaaa
300aagttttttc ccgggggggc cctttttatt tccccctta aaacccccat tgggggggga
360acggcccgcc ccccaaacag aggggggaaa aatttttttt tttc

404

<210> 2537<211> 403<212> DNA<213> Homo sapien

ggcagcaggg ggtggctttg atttcggcga tgagctccca gaaaggcaac gtggctcgtt
60ccagacctca gaagcaccag aatacgttta gcttcaaaaa tgacaagttc gataaaagt
120tcgagacc aa gaaaattaat gcaaaacttc atgatggagt atgtcagcgc tgtaaaagag

180ttcttgagtg gcgtgtaaaa tacagcaaat acaaaccatt atcaaacct aaaaagtgtg
240ttaaatgttt acaaaaagaca gtgaaggatt cttatcacat aatgtgcagg ccatgtgcct
300gtgaacttga agtttgcgca aaatgtggaa agaaagaaga cattgttatt ccgttgaata
360aàgaaacaga aaaaatagaa catactgaaa ataactaag ttn

403

<210> 2538<211> 403<212> DNA<213> Homo sapien

ggcacgagggc agaatgtact gagccacccc cttctttttc tttttaccct ttttgggttc
60attttcactt aaattgctta cttccaagag gtagatgggt cagtgcagct agattgagcc
120attgcactcc agcctatgca gcacgagtga gactacgtct tacaaaaaaa aaaaaaaatc
180tcggccctta aaacctttat ggtgtgtttt aggttcaagc ggaagtggga aaagtccttt
240gttgggttgg gaccaaccac acttaaatgc cggcgaaaaa accgcttttt tgggaaaaat
300ggggacccta tggttttatt taaagccctt ataggcgca aaaaacaggt tagcaacaaa
360agtggtgttc ttttaattgt ccagggttagg gggaaggggg ggc

403

<210> 2539<211> 406<212> DNA<213> Homo sapien

ggcacgagaa ctagtctncc cagcaaccgt tccgtgtttt cttttcttc ttttaaaaaa
60aaaaaaaat gaagttttta ttttttaggc ccaaatgggg gccggggagg tggccaaaac
120cggggccccc agaaaaacc gagaaaattt ttgtgttaa aaacacaaga ttttggcccc
180ccccaggggt ttttgggggt ttggccaaaa cctccccctt tttggggggg ccttcccc
240ccccgggggt tttaccccc aaaaaaaat tggggggggg gaggggaact tccctttttt
300cccccccgcg ggggggtttt aaaaaagat atgggggggg gggccctcc tctaccca
360ggaaaacctt tgggggcccc ccttaaaacc aggaggggtc agagcc

406

<210> 2540<211> 405<212> DNA<213> Homo sapien

ggcacgagca aaaatacaaa aattagccag gcgtgggtgt gcacgtctgt aatcccagct
60gtcggggagg ctgaggcagg agaatcactt gaaccagga ggtggagggt gcagtgcagc
120aagattgcac cactgcactc cagcctgggc gacagagtga gactccatct tggggggaaa
180aaagtatata tatatacaca cacacagaca cacacacaca cacatatatc tctaaatgtg
240tgtatagaac cttttatcag tataacattg atttataatt aaatgtgggt gaggaagaat
300gtgtggagtg tttcagaaat ttgtatccta aaagcctttt cagaaactca agctttcag
360aaattaatag ttatattaat agccttctaa acagcattaa gtttt

405

<210> 2541<211> 403<212> DNA<213> Homo sapien

ggcacgagct atctttattt tgggcacact atagcttttg ttaattattt ctttgcactt
60gttagaatct gttttgaaa aaaaaaaa aaaccttttg ctttgattcg gggggactcc
120cccttcttaa aaaccattt ttaaaggata ttaggatgga ctttcaaacc caatatcttg
180aaaggcgatt tttaaaaaat tttagctcct gcctcccaa ttaggttaac ttggaccaga
240aaataggcgg agagccccc aatagagggt aacttaccta ttaaacgtg atctttcgac
300tttaaaaaaa aatgaaggcc ccgtcaaagc ttccttagag ggcgcttatg aacaaaaaaa
360aaccttagga tgtccaaatc tttcctgag aactttctaa gat

403

<210> 2542<211> 407<212> DNA<213> Homo sapien

ggcacgagat gtgatgatag taactctgaa gcttatgtct gtagcttttg cagtgttcac
60aggttggaga cttaaaactt ttaaagtaac atagttcagt tgttttttt tttgaaaaa
120acccttggca gtttgaagga cttttccaa gggccaaagg ggagtggag tccaaccggc
180cttgggttaat aaccattact tttccccag ggaaggacca aacggattct tttttctct
240cctcaagcct cccaaacaaa aggtaaacca gcctggcct attttaagtt ggacctggcc
300aaaccaagga tttttttaat aaaaaattta aaaggtccac cattagaacc cggataattt
360ttacccatt ttttttggcc cttatttttt aaccctccca agaagcg

407

<210> 2543<211> 406<212> DNA<213> Homo sapien

ggnangagtt ccgagccgcc gtaagactgg ttccggcggg ctggtgagga atggagccgg
60taggctgctg cggcgagtgc cgcggctcct ccgtagacc gccgagcacc ttcgtgttga
120gtaacctggc ggaggtgggt gagcgtgtgc tcacctcct gcccgccaag gcgttgctgc
180gggtggcctg aatgttcgca tcttaccaca tacagttctt tacatggctg attcagaaac
240tttcattagt ctggaagagt gtcgtggcca taagagagca aggaaaagaa ctagtatgga

300aacagcactt gcccttgaga agctattccc caaacaatgc caagtccttg ggattgtgac
360cccaggaatt gtagtgactc caatgggac aggtagcaat cgacct

406

<210> 2544<211> 403<212> DNA<213> Homo sapien

nnctcggcac gagaatccat tcccaggggc ctcccggcctt gtcccagccc ctcttttgc
60tctgaccacg gaggttttct cacagcccag cctgcctgaa gcaaaggagg ctcccggtgc
120ctgggcagct tctgtttccc tctgtgcct gggagctgag gcacccgtgc cagtggcaga
180ggccacagcc ccagccttag gccaggccct gggagggcag gcaggcaaag gggagaccag
240aggtctgtg ttctccagga gaatgagggg gttggtccca gaattgggac cggggccccc
300ctggccagcc ctgggccact tcccgggtct ccattgtgcg tgggtggcgt gttccaggcg
360tggctggagc tggcttctg gctgtgctgc catgggcccc tcc

403

<210> 2545<211> 403<212> DNA<213> Homo sapien

cgttgctgtc gaagacctgc ctcccatcct ggcagcccag cctgagaccg ttgcattgag
60gcaggcagga gcggcagggg ggtgctctc caggagccca cctgccttga gttctgtccc
120cactgggccc cgtcccctgc tgggcaatcc tgggaaggtc tggaggttcc tgtggacctc
180aggggaagcca ggggcagctg tcaggcctga ggaagacctg tggagctcct ctccagcctc
240ctctttccct ccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga
300cacctggtgg gcagagctca ggcagagggt tggatttcag ctccctcact tccggggctg
360tgtggctttg gcagatgtca gacttctggt cttgcttctc cac

403

<210> 2546<211> 404<212> DNA<213> Homo sapien

ggcacgaggg caagaggact cagactgtgg aacttccgtg cccccaccc tcaccaaggt
60taaatgcctc cctctcggtt catcctgaga aagatgagtt aatccttttt ggaggtgaat
120atttcaacgg ccaaaaaact tttttgtata acgagctcta tgtctacaat accgaaaagg
180acacctggac caaagttgac ataccagtc cacctccgag gcgctgtgct caccacgcgg
240gggtagtgcc tcaagggtggc ggacagctgt ggggtctttg aggggagttt gcctctccca
300acgggagagc gatctaccac tacaaggatc tctgggtcct gcatttggcc accaagacct
360gggaacaagt caactggcca tgtccacgac caaatctgcc tttt

404

<210> 2547<211> 402<212> DNA<213> Homo sapien

ggcacgagat aattcagtgg catctcatgt agatgtacca ctttcttatt gcaactcaga
60gtgcaattgt gatgaaagtc agtgggaacc agtctgtggg aacaatggaa taacttacct
120gtcaccttgt ctgacaggat gcaaatcctc aagtgggtatt aaaaagcata cagtgtttta
180taactgtagt tgtgtggaag taactggtct ccagaacaga aattactcag cgcacttgtg
240tgaatgcccc agagataata cttgtacaag gaaatttttc atctatgttg caattcaagt
300cataaactct ttgttctctg caacaggagg taccacattt atcttgttga ctgtgaagat
360tgctcaacct gaattgaaag cacttgcaat ggggttccag tc

402

<210> 2548<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggtgtggggg tggagtggct cttgccacg cctctcacct ctgccttcat
60ttgtgctgcc accctgcccc tccctcgtec tectctccc cttctctctc tctgtgtgcc
120tcagtctcct gccggaagaa atgggttgag cccgaaagga ggctgtctga ggaagggaga
180gggagggcct ggggtgtttn tnnnnntntt tnnntttnta ctttcttttt tttctcttc
240ttcccttatt tcttctctt tcttttccac tctccctct ctcttactt ctatctcccc
300ctgtttcttc ttgcccttct taatttacct ttcattccct ctttttccac ttcaactcac
360ataaattaatt ttctctttcc ataactttaa cccatgtat

399

<210> 2549<211> 398<212> DNA<213> Homo sapien

cgttgctgtc ggccatgttg ccagactgg ttttgaactc ctggcctcag gtgatctgcc
60caccttggcc tcccaaagtg ctgggattac aggtgtgagc caccgcacct ggccagaccg
120cttcacttgt aaaagaaatt aggctaataa gaagggttag tttttgagaa atgaaattta
180acttttagcct tttcactagt aaatagtcac atctcatttt cttcctttgt aaaatgggg
240tactactggc cctacctcat attctatgag aatgagtttg tagctgtttc aaatcatgaa
300gtgcatagta tcacatgtga tagaatattt ataacttttt attagatgct taatgttcaa
360ttaagtaatt ttgatgtgaa aaataaaagt aataaaag

398

<210> 2550<211> 401<212> DNA<213> Homo sapien

ggcacgaggt actgtttcct ccaaccaggt ggagaatcct ggcaagcact acctcagcca
60gagatttaat gttgatagta aatgcatgta gaaatggatc catctggaaa catagagata
120ggaaaacatg attcttttac tttttttttt tttttttaag ggaaggggct aattttgtca
180cccaggctgg agggcagggg catgatctaa gctcatggaa agggcccttt cctaggctaa
240aaggggccctt ccacctaagc ctcttgaaaa gtaagggata aatggaaaag ttttttttta
300ttggatcttc ttattgggcc acgggggacc ctgaaaaaaa ttttcgggcc gggctggggg
360gttaacacct ggggccccac cacttgggga ggctggggcg n

401

<210> 2551<211> 395<212> DNA<213> Homo sapien

ggcacgagga ggcattgtgt atagtgtgt tggggctctt cccacgaaac tcggctctgc
60acagtggagac ctcatcttct ggttctgttt gatgagtgt cgaatgcaca tggcaggcgg
120tcattgtccct tgggcctgtg aggtgaggaa gggctccctga gccctgtggg gatagagact
180cttccaccat tctgacatga tccgagttag caggcagcac tgtccagatg gaaatgggga
240tgggagacag accatctctc tcagcgggtc cagccatgag ccagcagact gtttccatt
300ggcccccatc ttccagagtg ggatgatctt tctaacaaag aaaccacac aggaatttgg
360cgtgtgtgt catgtgtgt ttaccttga ggatg

395

<210> 2552<211> 396<212> DNA<213> Homo sapien

gagtgataga acataccaac gttaccaaga aatttacaag ctgctggctt taagcttatg
60caagtggtag ttgggaaagt aggaggtgtg gaagagggtt tgcatttttg attaatcat
120gcaaatgaa ggaggaagcc tggcttaaga agatactgtc tttcaataga aatgatttct
180aaactgtctac agattaagaa tagataatct gattgtgtt gtttgtttg tttggaaaga
240aaaaaatgt ctggcttctt ctactatttg ttttactac caaactgtgt tactaaattt
300cttgtcatcc ttgtatgtaa aatgggtgct gggggtggag ggggtataaga ggaggagag
360tcatagagag tgtgtatggc tttgatggca ctggtt

396

<210> 2553<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aggctacaga tgcccctgag caagtcgagg agattctgga tcacagtgtg
60cagcaggcac gccctgctcg tgtaaatgga ggcaccgatg aggagaatgg tgaggagctg
120cagcagggtta ataatgagct tcaactggtc ctagacaagg aaagaaagtc tcaaggagct
180ggcagtgagc aagatgaggc tgatgtagac cctcaaagac caccaaggcc agaagtaaaa
240attaccagtc cagaagaaaa tgaaaacaac caacaaaaca aggactatgc tgccgtggct
300tanaacattt ttaaaaagag agtatatgga tcgcaagaaa aatgaagggt tatcatactt
360gaaagataag cacatagtta ttgctgaata taatgttg

398

<210> 2554<211> 395<212> DNA<213> Homo sapien

ctcaagtctt ttgagttgct gcttggttaac acccagcttt taactgagtgt tttgtccctg
60atgggttagg agattttcat gttgtatcac actgtcaagt tttattttgt ctttttatcc
120ctccgtggat gtgagtttga aacaagcacg gtacagtaat cctgcctgat agagtgtct
180ggaatgagaa ttactttttg ggtgagagag ttctccattt taatgtttct aaagttttct
240atatgaactt ggcattggaa aagggaggta aagaaaaagg acgtttacta aaagcagtg
300ctactcttcc cctttgtgag gttttattca tggctaataa aaaaagagaa ggactcttgg
360gttttgtgtt gccatgttaa gcatggagag ggatg

395

<210> 2555<211> 398<212> DNA<213> Homo sapien

ggcacgagcc aaccccgga cccctgggtgt gtacgggtca ggcagacaca tgtggctggg
60cggctgggct ggggagggga cagccgccac ctacgggtta ttttccctc tcccctccc
120tccccgcaa gagctctgcc agggcgggc aaaaaaagt aaaaagaaaa gaaaaaaa
180aggaaccaac cccctctac atattatgga aagaaaatat tttggccgat cctaattctt
240ttataattat gcgggggaaaa agtaaaccca ttaacgatt ccagttggaa acaaaaaaaa
300aacccctttaa aactataggg ggccggttct cgtaaaccca aactggataa aaaccttgg
360ggagttgggc caacccccac cttaatggcg gggaaaaa

398

<210> 2556<211> 398<212> DNA<213> Homo sapien

ggcacgagcc accatgcccc gccaatccat gaaatcttaa tggctcaact aaacaaacat
60ttagttctca ttcacactac atggcctggtg tgaggaagac cactctgctc catattgtca
120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgctc tcaacacaca
180gttcttagag ttctctgtggt gggataaggt gtaaaaaact taaactttct cttaaagtct
240ttggccctgg ctagcatcag tcttatgaat ctctctcagt gctagggagt tgggatgtgc
300agtccctccct gatgccccaa cagaacaggc aaaccagata ttactgagtg caagaaatcc
360ctactatgtg tactgaggaa caggattcaa gctgtatt

398

<210> 2557<211> 401<212> DNA<213> Homo sapien

cggtgctgctc gggattatc ttttaagttg tcagcaagtt accaaggtat tcattaaaga
60acttgtaata tcaaattact atttattcat aacaattgat ttgatgctaa taataatttt
120cttttaaactc taccattcat tatgtggtaa ctgtattgaa ctactttat ttggatttta
180ttttaatgtg actagatgct accacttcaa aaaatcaatt tgttcttaga acctggttga
240aaataaccagg aaactgttac agactccatt tcaaaaaaaaa aaaaaaaacccc
300ttggagcctg ggggggggctc caaaaaaac cccatttttg ctgaaagggg ttttttaaaa
360acttttccca cgggtttttt ggggaaaagc cacttaatta a

401

<210> 2558<211> 400<212> DNA<213> Homo sapien

ggcacgagac ctggccctct gggaagtcta ccagtggcaa aaaggacaga tgcagaagca
60gaacggaggg aaggcctggt acgagcggca gctgttccac ggcaccagcg ccatttttgt
120ggacgccatc tgccagcaga actttgactg gcgggtctgt ggtgttcatg gcacttccca
180cggcaagggg agctactttg cccgagatgc tgcataatcc caccactaca gcaaatccga
240cacgcagacc cacacgatgt tcttgccccg ggtgctggtg ggcgagttcg tcaggggcaa
300tgccctcttt gtccgtccgc cgcccaagga gggctggagc aacgccttct atgatagctg
360cgtgaacagt gtgtccgacc cctccatctt tgtgatcttt

400

<210> 2559<211> 400<212> DNA<213> Homo sapien

cggtgctgctc gataattttt tattatttta gggtagaatt gacatcttta taacaaatga
60gtgtttatct ccttttgttt aagtaatctg ttatttctgt cagtaggttt ttatgttttc
120ttcatacagg tcttatacag ttctagtgtt ttatatctac agattttatc ttttttgttg
180ctgctagtaa atgtaagtgg gtcccttttt tttttacatt gtatttcatt ggcccccaa
240caccctctcc acatttgatt gatagacttc ttgatccctt ttgatccctc tccccaccc
300ccaagcaggg atttgaatat taattttttc attgagatat aattcacata ccataaaatc
360aatcctttta aagtatgtaa ttcagtaggt tttaatatag

400

<210> 2560<211> 396<212> DNA<213> Homo sapien

cgctgctgctc gatggcgccc tcttggtcgc tcttggttac cctgcgcccc ttagcacaga
60gcccgtgag agggagatgt gttgggtgcg gggcctgggc cgccgctctc gctcctctgg
120ccaccgcccc tgggaagccc ttttgaaag cctatacggc tcagacatcc gagagcatga
180ccccaactgc cacttcagag acttatttga aagctttggc cgattgccat ggacctctgg
240accactatga ttttctgac aaagctcatg agctaaagga tgatgaacat caaagaagag
300tcatacagtg ttgacagaaa ttacacgagg accttaagg atacaatata gaggcagaag
360gccttttttc acagcttttt tcaaggagca tacctg

396

<210> 2561<211> 397<212> DNA<213> Homo sapien

cggtgctgctc ggcgccttgg gccttatgac ccaacttctc tcaccgccat ggagttcgac
60ctgggagcag ccttgagacc cacctcccag aagcccggtg tggggcgagg ccacggggga
120gatcccaagc tcagtcccca caaagttcag ggccggtcgg aggcaggggc aggtccgggt
180ccaaaggtaa gtcgctcat caccggtcgc ggagaggcgg gaaggctggg gttgcccctg
240acccagggg cctgccttag gcctccaact tcagggggct gggtaagggg cgccgctca
300ctgccacacc ttcatccagc aaggacacca cagctcttcc gactccagca gcagctccag
360cgattcggac acggatgtga aggtaagggg ctctcgc

397

<210> 2562<211> 401<212> DNA<213> Homo sapien

ggcacgaggg acctcagtg aaacacgcc ctcatattat cctgctccgg tggccatcac
60gagcttgtgg cactgctgct acagcacggg gcctccatta acgcttctaa caataagggc

120aacacagcgc tgcacgaggc tgtgattgaa aagcacgtct tcgtggtaga gctgcttctg
180ctccacggag cgtcagttca ggtgctgaac aagcggcagc gcacggctgt agactgtgct
240gaacagaatt caaaaataat ggaattgctt caggtggtag caagctgtgt tgcttcatta
300gatgatgtgg ctgaaactga ccgcaaggag tatgtcactg ttaagatcag gaaaaaatgg
360aactcaaac tgtatgatct accagatgag ccttttaciaa g

401

<210> 2563<211> 391<212> DNA<213> Homo sapien

ggcacgaggt taatacaagt aaaatactta agacagtaca tggcacatag taaatactgt
60ttaaatatta actgcaatta ttattattat catcattatt gcagctctgag atatctggcc
120tgaatttatt aagttaggaa gctctgtcat tgcacagaaa taccttgctc tcaggagagt
180cactaacga agtgcttctg taaacaaggg acataagcag agaaggggta tgtaagtaca
240gaaaactcat gattacctgg ggaatagtta aatagatttt aggtattagn tggttttttt
300ttcctctctc tctctttggg ggaatttttc tgtttactga gtcattcttc attaaggggt
360gaggtgtcaa aaattagaca aaacaaacta g

391

<210> 2564<211> 394<212> DNA<213> Homo sapien

cggtgtgtgc ggcaatggcg tgatctctgc tcaccgcaac ctccgacctc tgggttcaag
60agattctcct gcctccgctt cccaagtagc tgggattaca ggcagcgcc accacgcctg
120gctaattttg tatttttagt agagatgggg tttctccatg ttggtcaggc tgggtctcaa
180ctcctaacct caggtgatct gccacacctg gcctcccaaa gtgctgggat tataggcgtg
240agccaccgcg ccggctgcct taaatctatt tatctgacgt tcccaactag gaaatttttt
300gtccaaatga gtatatgtga ttttaaagta gaaatcgaag gtaaaatagg atttatctca
360gntcctatct ccttcaatc tattcttcat attg

394

<210> 2565<211> 393<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggta atcccagcac tttgggaggc cgaggcgggt
60ggatcacctg agatagggag ttcgacacca gctgaccaa catggagaaa tctcgtctct
120actaaaaata cacaattatc caggtgtagt ggcgcatgcc tataatccca gctacttagg
180aggctgaggc aggagaatca cttgaacctt ggaggcagag gttgcagtaa gccgagattg
240tgccattgca ctccagcctg ggcaacaaga gcgaaactcc atctcaaaaa caaacaaca
300aaaaaattgc aaaatgtagt caccctgtta tgtttcatga ctctgaaagt gttatgtgtt
360tttttaacag taaacagtca cttcaatagt ttn

393

<210> 2566<211> 394<212> DNA<213> Homo sapien

atccgttgcg gtcgattcag aaactgattt tacttttatt gcagtacaaa ttatattatt
60aagcaggggt cttgttcagc catgaaatgc agatgggctg tttaatatgc acatacatga
120cattttttat taattttggt ggtcattaca atgagttgaa tttaaaaagt gggtaaatgc
180tttataatat tgtattttga acaacaccac tcttattcat tttaaaaatg cccactgtga
240cagaaatatt acaatttcat gtttagttaa gcaaaataag caaaactggg agaatttaag
300gtggcatctt atttactgct ttccagtagg attataatta aaaatttact gaatgaagtg
360gtataatatt gataaattaa ctgattttct ttct

394

<210> 2567<211> 391<212> DNA<213> Homo sapien

ctgaggtcac ctcttgaggt gagggctctg agtgaagccc agcccgccag ggtcatctgg
60gcccacagac cacaccccgg taccgggttg caagggctc ctgccgggag tttccaacta
120gtcactggtg tggctttttc tttcatgcag cgagtctgac agtgacctaa agcctgtggg
180ggcggaatt cagcatctcc agaagctgtc ccaagagcta gatgaagcca ttatggcggg
240agagagtggg gacatcgtct ctctcattca tgactgagga agtgccctgca ggaaacaagc
300cctgtctgac cgcaaggct tcatactcaa ggatgtctat gcttccccgt gagcttctctg
360gaaaaaaacc ccgggagtcg tcagtacccc t

391

<210> 2568<211> 392<212> DNA<213> Homo sapien

ggcacgagcc aaccccgga cccctgggtg gtacgggtca ggcagacaca tgtggctggg
60cggtctgggt ggggagggga cagccgccac ctcagggtta tatttccctc tccccttccc
120tccccgcaa gagctctgcc aggggcgggc aaaaaaagt aaaaagaaaa gaaaaaaaaa
180aagaaccaac ccactctac atattatgga aagaaaatat tttggccgat ccttattctt

240ttataattat gcgggggaaaa agtagaccca ttaaacgatt ccagtgggaa acaaaaaaaaa
300aacctcttaa acctataggg agccgtttta cgtaaaccga aactggataa aatccttggg
360ggaggtgggc caacccccac ctaaaaggcg gg

392

<210> 2569<211> 393<212> DNA<213> Homo sapien

ctcgggagggc tgaggcggca gaatcacttg aatcatagag gtggaggttg cagtgaagctg
60agatcgcgcc actgcactcc agcctgggca acagagcaag attctgtctc aaaaaaaaaa
120aaaaacaaaac aaccccccaa aaaaacccaa ttaacattct ttcaccccggt atttcctaga
180ctttattttta gctataacaa gcaaaacacc tctttccatc cttctaaaag cgtgttcctg
240aaacctcact tggagagttt tacggaaatg cagcgacagg actggaaata atgacagcaa
300agccaaacaa gttgcaagca aaataaaaaga acaaaccttg aacgacaaaag ttttcccca
360cgacctgacc gtgtcgctat aaagacggga ggg

393

<210> 2570<211> 393<212> DNA<213> Homo sapien

ggcacgagtc tagatcacat ttatatatg ctgcatgcc aaaaaaaaaa aaaaaaac
60gccttttttg gggggggggg gaaaaaaaaac caattttcc ccttcctag aaaagtcaaa
120acaagggtttt cctggaaacc ttttcaagaa aaagtaaac aggttggttt ttgaaccttt
180ggccattttt tttttttaa aaaaagcaaaa ttccagcccc aatccttttg aagggtttg
240aaacccccaa acccccgagg aagccctcca ttttggaagg gggaatttg agaaaaacct
300gtttttcccc gaatttgcc aaataaaggg aggggttttt caattcgggc cctaaaaaca
360agggcccccg tttgttctaa ccataacaa ttt

393

<210> 2571<211> 391<212> DNA<213> Homo sapien

ggcacgagtc cagggtcagc gcacgccaca gggccagttt tggctggaga ggcctctgag
60aatttgtgac tgaagtccaa gtctgtggca tcagggcttg cagagcccag atgcgggaga
120ggtaggaatg tacctgggta tatgaggcaa ggacagggga gctggggcag gtgatgcagg
180caggtggcat gaggagctgt gctgggtggg tgcggtctga gtggctcatg ttgggtaaag
240ggccagagac ctgggtctac agggcagaca tcaaggctga gccagtcaga cagtgtttgt
300caacactggg ctctcaccag gctccctcag gccgaggtga gcagccaggg atctgtcatg
360tgtgaggaaa gtgtctgttc aggttaggtg g

391

<210> 2572<211> 394<212> DNA<213> Homo sapien

cgttgtctgc gtaaaaacat ctcttaaaat aagaggagca aaatctatta aaacctattc
60tcttgcaaaag gaggcagaga cttctctctc ctctttttt tttttgggg ccctaaaaat
120aaaccagggc cctctttttt aaatattccg ggtaccccaa gcgggccagg ggggtttggg
180gtttggccctt tggggggcag gcttaataaa acaaaacctt attttgggc ccccaaaaa
240ccccggcccta aaaaaattgt ttgagggggg aaaggcccaa aaaggcctgg tgggtttattc
300tccatagacg ggaagaccag ccccttcccc ttgtaaaaag ggggagccaa aatttcctga
360cctcttgggg gttaaaaaaa ctcttacggt gggg

394

<210> 2573<211> 391<212> DNA<213> Homo sapien

cgttgtctgc gaatacctgc ctccatcct ggcagcccag cctgagaccg ttgcattgag
60gcaggcagga gcggcagggt ggctgtctc caggagccca cctgccttga gttcctgccc
120cactgggccc cctccctgc tgggcaatcc tgggaaggtc tggaggttcc tgtggacctc
180aggggaagcca ggggcagctg tcaggcctga ggaagacctg tggagctcct ctccagctc
240ctctttccct cccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga
300cacctgggtg gcagagctca ggcagagggt tggatttcag ctccctcact tccggggctg
360tgtggctttg gcagatgtca gacttctggt g

391

<210> 2574<211> 391<212> DNA<213> Homo sapien

ctcaggccca ttagtgatga ctctgaaagc attgttgaaa gtgtttcaag gagaaaagtt
60aaatcagcag agaaaataag tacacaacgt catgagggtta ttcgaaccac agcgtcttca
120gaactttcag agaaaccagc tgagtctgtc acttctaaaa agacaggacc ctttagtgcc
180cagccctctg ttgaaaaaga gaacttgga atagaaagtc aatcgaaaac tcagaaaaaa
240gggaagatat ctcatgacaa aagggaagaa tcaagaagta aagccatagg ctacagatact
300tctgacattg tgcacatttg gtgtccagaa ggaatgaaaa ccagtgcacat caaggagttg

360aatattggtt tgcctgaatt tgagaaaacc g

391

<210> 2575<211> 392<212> DNA<213> Homo sapien

ggcacgaggg gcggcggagc cgggcgcgac cgccgggtct gtcccgagg aggaggagta
60ccgctggctg ctgcacgacg aggtgcacgc tgtgttgaag cagctgcagg acatcctcaa
120ggaggcctct ctgcgcttca ctctgccggg ctccggcact gaggggcccg ccaagcaaga
180gaacttcac ctaggcagct gtggcacaga ccagggtgaag ggtgtgctga ctctgcaggg
240ggatgccctc agccaggcgg atgtgaacct gaagatgcc cggaacaacc agctgctgca
300cttcgccttc cgggaggaca agcagaggaa gctgcagcag atccaggatg ccagaaacca
360tgtgagccaa gccatttacc tgcttaccag cg

392

<210> 2576<211> 391<212> DNA<213> Homo sapien

ggcacgagag attttaaattc ttagacttat ggaataaatt tttgttgaa catcataaac
60gatcaatacc aaaagacact tggaaatttc ttttagactt cagtacgatg attgcagatg
120acatgtctaa ttatgatgaa gaaggagcat ggctgttct tattgatgac tttgtggaat
180ttgcacgccc tcaaattgct gggacaaaaa gtacaacagt gtagcactaa aggaaccttc
240tagaatgtac atagtctgta caataaatac aacagaaaaat tgcacagtca atttctgctg
300gctggactga actgaagatc aatcctcaca attcagactg aggggtgaga caaaacttta
360aggatacatc ttggaccata tcgtatttca t

391

<210> 2577<211> 392<212> DNA<213> Homo sapien

ggcacgaggg actaccgaga ttggagcatg aatctttacc acgactgcag tgcccttgga
60cccctggcct gtgggggtgcc ctacacctgc tgcacagga acacgacaga agttgtcaac
120acctatgtgtg gctacaaaac tatcgacaag gagcgtttca gtgtgcagga tgtcatctac
180gtgcggggct gcaccaacgc cgagatcatc tggttcatgg acaactacac catcatggcg
240ggcatcctcc tgggcatcct gcttccccag ttctggggg tgctgctgac gctgctgtac
300atcaccgggg tggaggacat catcatggag cactctgtca ctgatgggct cctggggccc
360ggagccaagc ccagcgtgga ggcggtaggc at

392

<210> 2578<211> 392<212> DNA<213> Homo sapien

ggcacgaggg ttgatatgtc agatctctct ccagaagagc aatggagggt cgagcacgca
60cgcatgcatg ccaagcaccg tggccatgaa gctatgcatg ctgaaatggc cctcatcctc
120atcgcaacct tgggtggtggc ccagctgctc ctgggtgcagt ggaagcagag gcaccacgc
180tcctacaact tgggtgacct ctttcagatg tgggtgttcc cctctattt cacagtgaag
240ctgcactggg ggaggttcct agtgatctgg atctgttct ctgctgtcac agcctttgtt
300accttccgag ccaccgaaa acctctagta cagacaaccc caaggttggg ttataagtgg
360gtcctgctaa tctataaaat cagctatgcc ag

392

<210> 2579<211> 384<212> DNA<213> Homo sapien

gcacgagaca gtttatattg acctataacc aagaggcagg ttcattatgt ttaattgcat
60taaaagataa aagaagtaga gaaattgaaa ggaaaaagag ccagagatt gttacctttt
120tatcaagcaa cagcatgcc acaactttgc ataaataaaa aataataacc tgagcctttc
180atcttgggaa tctaataaaa taaatgtgtg ctgttttccc cattagccct caccttagcc
240agcccttaca ttgtggacag aggagtgatg tcattatttg tgagctagat gactggctca
300gtagggtgccg tgtggttcct aagaagattg taggtcttgc cattgcgtct tgtgtctctt
360gtgttacagg tggaaacatc tgtg

384

<210> 2580<211> 385<212> DNA<213> Homo sapien

gttgctgtcg gggttggcct gtgggttttt aagtggttat tgaattggta tcaggagatc
60ctgaggctgg taggggaagg tgattctttc taagttacct ctgtattttt caagttttct
120ataaaggaata cacatacacc cacatgcaca caccatagtt tttatacaaa cagcaataac
180aaaacaaaaa agatgcccc tttttttagt ggataagaaa tacatttgtt ttatacttct
240atgctatatt ttgctattca aaatttagtg ggcattactt aacattgttt ctaattattt
300tgtggctgct gtatgtttta tgtgttggga gccattgtta ttaggccgtt cttggattgc
360ataaagaaa tacctgagac tgggt

385

<210> 2581<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgatctgg cagtacatat attcctagta aattcaatca ttcattcgtt
60cattcatgca gcatgaattc atatttcccg agcttatggt atgcacaata ctaggaaaag
120ttcaaccatg agcaacattc cttacatctt aatggaggga aacagagctt aaacaaatga
180ctacagattt ggaagggaagc agtgctgtaa ggaacctga agtagtgtaa agagagaaaag
240cttagtgagg aaggcccttt ctttccattt ggtgtcttgt tttctactct tgctcatgaa
300atgttctgag tagcttcaaa tatgttttaa attgaattgt gtagagtcca gtacctctga
360gaggtaactg agtgcagcta ttctaggg
388

<210> 2582<211> 384<212> DNA<213> Homo sapien

ggcagcagga tacaagtgtc tccttgtcat aaccaagag caaaagcagc cttcacttac
60tgteccatga aacaaaaatt ggatcttttc taagcaacag aacttttagat ggcaaagaca
120aagctggcct ttgtccagat gaagatgata tggaaggaga ttctttcttt gatgatccca
180ttcctaagcc agagaaaact tacggtttga ggaaggaaacc taggaagcaa gcaggaagtc
240tgccctcgct ctccgagtga ccccccctaa aaagtggact cagctccctg gcgggagccc
300cttcttttaa agactctgag agtaaaaggg gaaatcacgt tttgaaagat ctgaaattga
360tcagtataa aattggatca cttg
384

<210> 2583<211> 156<212> DNA<213> Homo sapien

nnctctgatt tgagaaaagg gaggagggga agatagtctg aatggaaatc tgaaatacgg
60aatgttttag agaaatatgt cacttgata tagaatgttt taattgaggt ataaaataat
120gagacaaagt gaaaaagaaa ttatattcag ataggn
156

<210> 2584<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggaagccggg gccggggctg cggggcgagt tgcggccct gggccgggag
60ctggagtcac agactcatag gtcccgcccc agccccgaa gagccgcctc agccgggggg
120agttgctcgg actcaaacgt ccagtcctcg tgcgaccgag ctgggtcgga agtgagcagg
180ctgaggccac catggagcag tgtgcgtgag tggagagaga gctggacaag gtctgcaga
240agttctctgac ctacgggcag cactgtgagc ggagcctgga ggagctgctg cactacgtgg
300gccagctgag ggctgagctg gccagcgcag cctccaggg gacccctctc tcagccacc
360ctctctggt gatgtcacag tgctgccg
389

<210> 2585<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gcttgtttca aaattgcacc tgggcatttt aaagtaaata ggatgcaat
60ccttagttgg cctcttgtgt acattaactt cagagtgaag aatgaatatg taagacagtg
120atgggggatg gggagttgag caaggaaaat aatttgata atggtgtttg ctccctggtg
180aaactgaaac ccagcctgtg tgggtggggc cttgtttcca aacgtcagcg ctgctgccca
240cgaaggcctg caccaacgca cggtgccctc cgggccgccc acagaggccg gcgtctggcc
300aggagcaggg gctggggaca gcaagtgtga aaccagctga agcacctgca gctcaagcgg
360gtgcaggct cctgtctctc cccctg
386

<210> 2586<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gctttccaaa tactgtatt ttcttcaagg tgttttttt ttgacatcta
60ctttggaagt ttgattatat cctgaaacct aaaatcacat ccttattgat tctgagtctg
120ctaaaagtta ttcaactaa ttgaaatatt atcgcaaaaa gtttacttga gaaaacaagt
180tgaaattgaa attttgactt gctaaaatta cattttttta acggtagttt tgaatgacat
240tctaaaggta atttagttgg actttgtgtt tatatggcca atttggggaa tggccctgta
300tgttttttgt aatgccataa tgggagctgc agtgttgtgc aggtatcaaa aagcttccca
360gttttcatgt tagtaaacct ggaag
385

<210> 2587<211> 387<212> DNA<213> Homo sapien

ggctcgagac ctggcctctc tgggaaggct accagtggca aaaaggacag atgcaggggc
60agagcggagg gaaggccgtg gacgagcggc agctgttcca cggcaccagc gccatttttg
120tgagaccat ctgccagcag aactttgact ggcgggtctg tgggtttcat ggcacttctt
180acggcaaggg gagctacttt gcccgagatg ctgcataatt ccaccactac agcaaatccg
240acacgcagac ccacacgatg ttctggccc ggggtgctgg tggcgagttc gtcaggggca

300atgcctcctt tgtccgtccg cgggccaagg agggctggag caacgccttc tatgatagct
360gcgtagaacag tgtgtccgac cctcca
387

<210> 2588<211> 384<212> DNA<213> Homo sapien

ggcagcagggg actccgaaag cctgcgcatt aaggaggtgg agcatatgac cgtcacctg
60gaggagagtg agaaggccat gcaggagcgg gtgcagaggc tggaggcggc gcggctgtcc
120ctggaggagg agctgagccg agtgaagca gcggcactca gcgagcgtgg ccaggctgag
180gaggagctga tcaaggccaa gagccaggcc cgcctggagg agcaacagcg cctggctcac
240ctggaggaca agctgagact gctggcgag gcacgggacg aggcgcaggg cgcttgccca
300cagcagaagc aggtggtggc cgaggccag acccggtca gccagctggg cctgcaagtt
360gagggcctgc ggcggcgctt ggaa

384

<210> 2589<211> 389<212> DNA<213> Homo sapien

ggcagcagggc caagtggatg agatgagatg ataacaatgg ataatgcaga agaatatgtg
60gatttgatgt ttgacttttg tatgcatacg ggtattcaga aacaaatgga agcctttaga
120gatgggttta ataaagtgtt tccaatggag aaattaagtt ccttcagcca tgaagaagtc
180caaagtattc tttgtgaaa ccagtcacca tcctgggcag cagaggatat tatcaattac
240actgaacctc agctgggtta tacacgtgac agccttggtt tcttgaggtt tgtgaggggt
300ttatgtggca tgtctctga tgaaggaaa gcattcttg agtttaccac tgggtgttca
360actctacccc caggtggact ggctaacct

389

<210> 2590<211> 379<212> DNA<213> Homo sapien

ggcagcaggt tcataccaac atttattaag acttattttt cagtggctct caatcacaga
60acaatttagc aacctatac aatttaacat acctgaatat gagaaacaca tttaaattca
120ttgttggatt aaacacattt caaaatggaa agacaaatat tttatttact gacctaaaac
180aacactacct atgaattca tgcactattg ctttcagatt acttacagga ttatatcaat
240ttaacatttc tttgtgagat taagcatttg aaatccatag tcagagaact attttaaata
300tgagccacta attaacaaaa tatacatata gcttctacat ttccatcagg ttatgtattt
360cttagagact acatgaccc

379

<210> 2591<211> 379<212> DNA<213> Homo sapien

cgttgctgtc ggctagagt aatgagcctc aagaaaatga cccaaggagt tgactcagga
60tgggtttacag actgatttag aaaaccagaa cggatttcatt ttctaattgga gggggccaga
120gatgggaaaa tttcttggc agtccgggga aacacacctc ggtgctggtg atgggcttat
180gaagggaagc aagcagcgtt gctcactggc cccactttg tttcttgggt aattcacag
240ggaattccca gtactgtcat ggagcagagc aggcagtggg tgctgatgtg tgtgcatgag
300ctgtatgtac acatgcatat atctgttaca gaagatactc ctggcagtga ggtgctaagt
360catcactgag gctgtgtgc

379

<210> 2592<211> 380<212> DNA<213> Homo sapien

ggcagcagga gggcttgagc cctcagccc agcgggggtc ctttttcac ccttctctga
60cagattgctt tgtaaaactt ctaggcctt cccccacc ctttgcccca gtgctttaag
120cccttctttg tcttcttgc gtttctttta ttctcagc ctgcggggcg gggcggggt
180ggcgcccagg acgactcccc gggctcagct tggctgctg cctccttctg taagtgttt
240ttttttcttc acctgggacc ctctanaggt tggaaagaga agagaggctg ggagcggatg
300gaaagcatga ctgcattctg agccctggg gggagtggg aagaggaggt ggaaggacag
360tggctgagg gcttctgtt

380

<210> 2593<211> 381<212> DNA<213> Homo sapien

cgttgctgac ggttttaag agatgagctg agaaagaaat gtggaatgga gtatatttga
60ggaggacaaa acataacttc acttttgaac agaaatcact ctgcttgcc agcatgggat
120gtaaaccaag agagtagaaa tataccatc ttattttaag ttgggtttat ggcacgctc
180atatatgtaa aagcactaca aactctttaa agaaaattgg gaaactacag agaagtcaaa
240gaaaaaaaa agtaacctat atttctattg cccaggcata atccttgta aaattttggg
300ttggcctcct cttttcccc caatatagtt gcaataaat gatgtcttcc agagttgaca
360ttaatcctgg agcttgaatg g

381

<210> 2594<211> 380<212> DNA<213> Homo sapien

ggcacgagcc aagactcctg tatgtaatgt agcagctacc tcagctgggc cctgtggtga
60aggaacagag ctgacatctg agcctcaaaa atccagecca ttgttaacta gattaccaga
120atatcctccg cattctgaaa acattcagta ttttcaagat ccaaggactc agataccctt
180tgaagtcacca cagtaccacac agacaggata ctatccacca ccttctcctc tgttcagtgt
240aaactttctt gcggatttct cagagagtgt gagtgggtaca aactttgaag aagatcatct
300ttccattat tctccctggt cttggggcac catcggctcc tgtataaatg ccattgattc
360agagcccaaa gatgtcattg

380

<210> 2595<211> 382<212> DNA<213> Homo sapien

cgttgctgtc gctgtgaac tgtttttgt gcttctcta agcttttctt ttgggtacaa
60agtttcttaa ttttctatt gagatttaac ctctgcttaa tttattttt taaaaatata
120atggtcaact aaatgtttcc ttatgaaagt gaaattggga aaagtcaaga taaatcctag
180aaactatttt gttttaagca aaatgagggc ttaaaacttg caacttctt tccatttgaa
240atttggtctg ctgtggtgct ttgcaaactt ttggttgtga tttatcctgt cattcataaa
300ttatggcaca tatgctggag ccaaactctg cattaaataa attctcacat aattccctac
360attcatttat ttcactaatc at

382

<210> 2596<211> 379<212> DNA<213> Homo sapien

ctccttcaga accccaccca gtgttgaga agcttcggtc cattaataac tataacccca
60aagattttga ctggaatctg aaacatggcc gggtttctat cattaagagc tactctgagg
120acgatattca cgttccatt aagtataata tttggtgcag cacagagcat ggtaacaaga
180gactggatgc tgcctatctg tccatgaacg ggaaaggccc cgtttactta cttttcagt
240tcaacggcag tggacacttc tgtggcgtgg cagaaatgaa atctgctgtg gactacaaca
300catgtgcagg tgtgtggtcc caggacaaat ggaagggtcg ttttgatgtc aggtggattt
360ttgtgaagga cgttccan

379

<210> 2597<211> 375<212> DNA<213> Homo sapien

cgttgctgtc ggtggtgatc tcttatcta atggatgaat gtcagttatc tccagctttt
60gaattatag cagtaaatgt agcaaatata aagccatatt gggcttgtg aaaatatctg
120taagataaat tcttgaaat taaaatgatt acgttctctt ctgtggatct tagctggcac
180attccccctta cacacatttt ggcacctctg ccttcttctt gcctctcatt ttctgttctt
240actacttaat gccattttgc ttcactcttc tgtcactact gcctctactt ccacttaagc
300tgcagaattg aggggtggcc ttagacctgg tatgtggagg agagaatgat taattatacc
360tggttcatgc tttag

375

<210> 2598<211> 378<212> DNA<213> Homo sapien

cgttgctgtc gctggagtct cttaaaattc acattgtac cagagccagg catcacagag
60cacatactaa cttttcagca tctggattcc ttatatatct tttctctcad catgaacagt
120taagtgtagc agttcaaagt tccagctctg gaggcagagt cctgactctg ttaggcagg
180tcttaattct aactataaaa tgaagttaca aacattgagt gcctcatagg gccagtgtta
240agattaaaatg aaataaatat aaaccatttg gcatgggtcc tggagcgtgg ttaagtgtc
300agtacgatga tgtccctgag atcagagatg tgccttagat atctttttga ttcagtacca
360tcacataacc tcagagag

378

<210> 2599<211> 374<212> DNA<213> Homo sapien

cgttgctgtc gcctagttag tgttttaaca tgaatgtcta attcatggcc aatcttattt
60catctgtact tctccacat cccattctt acaaaattat tttatttaa aagaaaactt
120tttaactttt tatttttaaa atttgaaaat taatgattaa aaatgttact tttataaaag
180tgtaaatatt cagtatttaa aagataattt taaaaataac cacaatacaa ttttctacc
240taaaaaattt taatgagttt cttagcaaat atccaagcca tttttgtatt tctctgatag
300ttttataaat ctgtatgtat gtgtttagtg acttttttga attaagattg aaataagatt
360cataaaatca ctat

374

<210> 2600<211> 375<212> DNA<213> Homo sapien

ggcacgaggg gagggcccca ggagggctctc aggcagcttt gctgggagtg tccacatcac
60cctgaccccc gtgaggcctg acaggacccc acgcccagcc agcccaggac ccagcctccc
120agccaggtcc ccttccccac cccaccgag gagactggcc gtccctgccg gctcgcagct
180ttgtgacaac tggcttcggc cggagccccc tggccaggaa gcccagtgcc agagctggaa
240ggaggaggag aagaaacccc accttcaggg caaacaggag agacccttgt ccccgccaa
300tgtccctgct ctgcctggcg agacgngac ctcccagtc aggctgcacc ccgactacct
360ctccccggag gagat

375

<210> 2601<211> 377<212> DNA<213> Homo sapien

ggcacgaggt cctgtccgt gtcattatca agcgtaata aagcactctg gcaggcacca
60gactacaggc ccttgggaac agccttctga gccagcttt attcactctg cattaccgtg
120tcttccatgt caagtcccta ttcctacgga atgacttggg aaacatgagg tgagtccact
180accatgccat gctgcaggac cctactcttg tataagagtt tgtggaagaa tcttgcattg
240tcagaatcac acatgtatga cagaatgcc caaagtaact catgctgatg gctgcactgg
300ataaaacaag gctgtgccag aatgccttca ttgtgaggaa gggagctcca agtcacggcc
360actaggttgt cttcacc

377

<210> 2602<211> 372<212> DNA<213> Homo sapien

gtgggcatgg tgggtgtaac cgacctcaag gtggccacct cctgtctgt gctgctcttc
60gccatcttca tgggcctgag ggctcccaag atgttcgggc agcggcgcaa cgcgcaggcg
120ttggagctgg cgcacatgct gtactatcgc agtacgtcca acaactcgga gctgctcagc
180gccctggccc tgcgcgcgca ggacgagcac accaaggagg cgtgctggc tcacagcttc
240ctggcccgcc ggccaggggg cactcaaggc tcgccgaag agacctccag gtggctccgg
300tcggaggtgg agaactggct cctagccaag tcaggctgtg aggtgacctt caacggaact
360cgggcccctgg cg

372

<210> 2603<211> 371<212> DNA<213> Homo sapien

ttcaattccg tegtgtctac attttctatc ctttatagga ggccgagctg cagggggggg
60cctgtcttct ggggggagag ggtcctcaaa ggagcggagg cagctggaga cccctggagg
120aatcttgcag ggctggggac gtaagacagt cccatggaac aaataagatg gaaacagctg
180caacatatat ttttccctt tagagatcca accttattcc attcataata aactgagaag
240ttctatatca aatataactg cctgtaacat ttttaattgc ttcaatctga gtttaacacc
300cacctttctt ttcatctctt agcaaataat cttaaagctg tatctaactat gcagtcagaa
360aaattacaat n

371

<210> 2604<211> 353<212> DNA<213> Homo sapien

tatctgtctg gagaagacga cagaagggtg ggtgttacga gattgggaga cttttctcag
60catatctaac agaagagggg atccgaggtg agagtgtgag gcctgggcaa ggggtggag
120gcagttctaa tactgaatgt tctgactgtg gtttactatg tatttcagggt tattttgtt
180aatctatcca gtaatcctt catgtaacaa ttatgatgtg tgtgttttag gtggggctac
240taaggctagt aagtagtgag gctggattta aacttaagtc tccagcttcg tggcccagggt
300tctttatact tgactccaca ctgggcttat taagtgaatg acaaggagtt tgg

353

<210> 2605<211> 342<212> DNA<213> Homo sapien

actacggctg cgacaagacg acagacgggc tagctaacgg tcgtccacc catagaaacc
60aaagtttttt tggcgttaca gggaaattat aggatgttac tgtgcccccc acccccatta
120ttagctgcgc tatccgcagt gacatgacca tgtgtccttt cttgatgggc taagtaccag
180cagatcgat catcagtgct aactcaagac aatatctgaa ggctgggggt gctgcttttg
240ttcacatttt ttttttttaa ataggaaaaa aacttggaaag cttgcagaaa tcttctgtg
300acattttatt ggctggatta taccacatgc ttatttctat ac

342

<210> 2606<211> 335<212> DNA<213> Homo sapien

tacggctgct agaagacgac agtagggctc atgaggaaga ggaggaaaag agcattaccg
60ctgtttgtca catgaggatt catltgcaga tagtatgaaa atggaggcaa tttttccagt
120ctcaagaatg gtaaaaggca cagggtgggac ttgaaccag actcttggt tcaagtccag
180agttttctca tgcaccagct acccctcaac aggatgtgac tatcctgcag taaccctaga

240ggaagtttag tccttgggac gcttggcctg ccagtctctg aaaaaatat gatggggatg
300gtgggtggtag tagtgacagt tgggttgagg ggaca

335

<210> 2607<211> 331<212> DNA<213> Homo sapien

ttacggctgc gagaagacga cagaggggat gagccactgt gcctgaccta ggttatcatt
60cttgagaaaa gtttaaacat gccatataaa tcaaaatatt gatgacatta attaatagca
120cttaattctg actttgactt tttttcaatc ccattagttt actttcattt cttacctaaa
180atttgtttag tggtaaatag aattctgaac ctaatatatc atcttattat tttctgctca
240atgtgtaaca ctagtctgac tattttatc ttttttttt ttttttttt tggaaaaaag
300tttccacttt tggccagggt tgaacgccc g

331

<210> 2608<211> 457<212> DNA<213> Homo sapien

attgcgatat gtcantcgnn nntcgtcggg tcccatggac gggaattctg cagcagagtt
60agcacagcca acggaatttg attgaaaatt gaatttgatg aaaatgatgg gccaaagcaca
120gtggcagatg cctggagagc cctcaagaat cccagcattg gggaaagcag cattgaaggc
180ctgactagtg tattgagcac tagtggaagc cctacagatg gacttagtgt tatgcaaggc
240ccttacagcg aaacggccag ctttgcagcc ctctcagggg gcacgctgag tggcggcatt
300ctctccagtg gcaagggaaa atatagcagg ttataagttc aagccgatgt ccaaaaggaa
360attttcccca aagacacagc cagtcttggg gcaattagt acaacgcaag cactcgtgct
420atggccggtt ccataatcag ttcctacaac ccacagg

457

<210> 2609<211> 429<212> DNA<213> Homo sapien

ctggacattc aggaggcaag ccaatctttt ttatttcctt ataaaattaa ctcttcaaaa
60gccgttaaac agagagttat ctttaatttt attgcagtag gaggaaatat atttaaaata
120tttgtagatt tatagcaaat agagactcgt tattttaaag ttaaataaca atttgttctt
180ttgttgtttt tgccagttaa gggcagaagc tgcttttgtc ataaatatct tcctaccaca
240tcaaaaatgc tgcttttaaa atttttgttt ataaattgag aagggaattt ctctctataa
300gattgctgca ttgaacagat caccattaaa aagaatatta gaatccagca tgaagataat
360gggctaataa aatgaggtag atactctata acaccattaa tcagatttga atgaggaatg
420cttcccacc

429

<210> 2610<211> 425<212> DNA<213> Homo sapien

tgatcgagg aaccaccca gcttgctcgc ttggctcttt gccgaagcg gcctacggct
60gcgagaagac gacagaaggg ctgtaatccc agctacttgg gaggtgagg caagagaatc
120acttgaaccc gggaggcggg ggttgacgtg agccaagaca gcaccactgc actccagctt
180gggtaacaga gcgagactct ctcaaaaaaa gagcaacaac aacaacaaaa aaaaccatag
240ccatattggct tgagtaagga aagacagagt tgctatttgt tgagatgggg atgacagtga
300caagagcagg cttgcgggtg tggaaagtgc aaatgtaagt gttcgatttt ggatatactt
360aatttgaac gtcattatc aaccaagtgg agatcttgca tgtacactgg agatacatgg
420caaaa

425

<210> 2611<211> 420<212> DNA<213> Homo sapien

caggtagggg ggccaccttg agtgggtggc ccagagactg cctcagggct ccaaggtaac
60ggggtgctca gggtatcttg ggtgctgccc tcccagggtt tgggggagca aaggctgggc
120gctggcccaa cttacaggaa acactcacct ttgaactgcc attggcacca tctgggcagt
180acacagcccc acccagggcc tctagttctt gttctcggct tacaatcttt gtgtttctgc
240ctgagaagcc actgcctcct agtttggtgt ctctacagat atagccagggt tggacttccg
300gctccgtcct ttgataactg cgtgctcttg ggcaaatttc ttaacttgca ggttcttctg
360aggataacat gagttaattg agggcactta acactacctg gcacagatta agctcatctg
420

<210> 2612<211> 419<212> DNA<213> Homo sapien

ggcacgagaa caagctgaca ttatgactg agccagaagc ttctcagact tgcccagagt
60tacacagcaa gtccagggtg tggctgggaa ttcaactcaa ggctgttggg ctctgaagct
120tttgggtttt gtttttttct ctccactaca cagtactgca tgccatgtga gcaagatccc
180gacacagaat gaagtaacca gtatctttaa ggcaacaag cagatcagta gaatctgatg
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca

300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag
360cctaaattgt aaagttaactg ggcctccctg ctgggtanaa ttcttttga atttctgag
419

<210> 2613<211> 420<212> DNA<213> Homo sapien

ggcacgagga gagaactagt ctgagacta gttctctcct cataaagccc tccggttga
60ggagagagtg tatagtcattg ggttctgcct ctgtgccctt gctggccgct tctcctctgc
120cttcttttctt ggaactcagg gtgtggggac tgagcctgta ggggacagca tgccgtcttg
180ctgtggccac tcccaagtgt gccctcttcc ctctttacac atcagggtgc tctggcacag
240gacttggcac taagctccat gctgagacac caggctatgt gggcccccac cttgtttccc
300agcctgcacc ttagaagccg aagggtgcttt catcagaacc ctaaaatggt cgttgaaggc
360gcctgggccc cagcccagnc agtattggag aggcaagcag agggcagtgg gtctcccaa
420

<210> 2614<211> 414<212> DNA<213> Homo sapien

ggcacgagcc catctcctgt tctcacaatg tagcaaaaac ctctacagtc attgtcttca
60aaagtgcagt cattaacaat taaatcaaat agctctggta gtactggtgg aggggatatg
120cagccttctgt tacgtggttt acctaatggg cctactcatg cttttagtgc tctctcagaa
180tctccagatt ctacagttga ccggcagaag tcatcactgt caaataatgc cctgaaaagc
240tcaaaaaaatt catctttgag aactacttca tctacagcaa cggctcaaac agtgccaatt
300gatagcttcc ataacttgc atttacagaa caaattcagc agcattcatt gccacgcagt
360agaagtcgac agtcaattgt tccccatct tccacaacac agtccttagg acag
414

<210> 2615<211> 414<212> DNA<213> Homo sapien

gacaacttga gaaacaaatg agaagcccaa ggaactgtga gcaattaaaa gcaaaccgcg
60acaccgtgtg tctccaccac acatagtgtg ctttgggaagc acaacgtcca ggctggtacc
120gcagcgccat gcccttcct cgctcattc ataggacact tcaactgccat ttctattca
180cataaaaagaa aaataaatgt ggaaatttca tcttgggaaa aaaaaaaaaa aaaaaaaaaa
240aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaan nnnnnnnnt tcgggggggg
300cttttttttta aagcaccagc aggaaaaata gcttgggggg ggtgtgcccc acccccaaaa
360agaggggggg gaaaaaattt ttttttttg gaaaaagggg gccccctctt ttct
414

<210> 2616<211> 402<212> DNA<213> Homo sapien

cgttgctgtc ggtatatact cagttcccaa aagtggagtg ggtacctcta ggaagaaagg
60aggtggaagg gaaatgttac caagcatggt agttaaggga tacttcaatt ttgtatctat
120ttcttattaa aaagaaacat tctaagtaaa cataacgaaa tattaattct ggggtggtgt
180aatatttctg ttcatcttat cattcgtgct atttatttcc ttaaacttct gaaagttaa
240aagtcagat aggagtggag aagctgtaca tgaacataa tggacttaca ttcttagtca
300gataactaata tctgtagaa gatatttcta aaatcttctc tttaaaatat gaaataattt
360ttaattgggg tggcaactta cattcaatta aaataactca tn
402

<210> 2617<211> 409<212> DNA<213> Homo sapien

ggcacgagat tacatagtga catatattat ctttctgtcc acatttgata acattgctaa
60tattttcttt ttttttact gaagctcttt gaatttaaag tttctctca tttaaattta
120ttaattaaaa acataccttt actctgttcc ctttagcatt tcaacctgat gttaaaagat
180gtgtatgctg gatatgtgtg ttgaaattt taactttcat cttgaagtat ttaattctct
240gaagcagtgc atgactcttg ctcttcagcc tcttgagagt ggccctggtt tatattcctg
300atgatacaaa ccctggaatt tctgtctga agtgtaaca ctttatttcc aggtcctaatt
360ttgatttgaa tagtggaagt tcagattcaa tgcattaatg acagattcn
409

<210> 2618<211> 406<212> DNA<213> Homo sapien

ggcacgagga aatctatgta gttaactctca ataaagaaat cattttggat aatttaaaac
60tggtattagt ggtattctct tacggctcta ctaaactttg ctgtaacagt aatgctttgg
120ttgctttaac taatctatc attaaaaatg aaaatgattt tgctttttta tttgcgcaag
180tagcactaaa gatagaagct taattaatga aagctaattg caataagggg tagatagagt
240agtatatgtg ggggtgggag ggtatgggag tntnanntnn ntntnncnact gatgttctgt
300gttatttgaa tgttgaacta aatttaatat agctacttaa tatagagcgt ttctgagaca
360aattattacc gatgatgatg acctaggtgg aaactttcaa ttacat

406

<210> 2619<211> 402<212> DNA<213> Homo sapien

ggcagcaggt ctgaaacagc actcaagcta tctttccttt tctcattctg ttttaatttaa
60aaaggcaata gtaatagagc atttcaaate actttgttgt ggatttataa ggatgtttct
120tcgttgggac aagtcattcc tcctgtggag gaacactacc tcatttttgc attaagaaaa
180tagtataaag tttctggtga aagattagac aattattctc attcatggat ctacaaggcc
240atcatgtcaa aacattttatg aaaatgttcc gttcctccct tttccaaagg ccagaagttt
300accctgtat gtggcaggag atatgagttt atccttgttt ttattatttg ataaatggat
360ttaagttaaa atatattgca tttagcaaaa ttatagtata an

402

<210> 2620<211> 412<212> DNA<213> Homo sapien

cggtgctgtc gctcctcaaa aaatgatata gttcccaaag agaggtgtca gtgtcttgaa
60ccgtcaagtt caagaggcca tcagactcaa tatttactca ttccttcattg aaataagtac
120ttaacaaaaa gctgtgcat gccaaagtcac tgtgttaggc attgaggatt cagctctaca
180cagggctgtc ttggtccttg ctatctttta gctaaaatgt agacacataa ataaacaatt
240acatatagtg tgacacattc tacagtgggg gaatccaggg ttctcaggca gattgttaga
300gagccacttc atctagatca cttattttca gtgttcaac tgtgttttca atgaagatgt
360cactttgaaa ataatacttc taatttatgc cccaagtgtg ttgcttttac tt

412

<210> 2621<211> 403<212> DNA<213> Homo sapien

ggcagcagat ccaattatct ctataaatcc cattgatttc agggaaactga atttgatagc
60caggaggcat tccactggct tcttaaagga cattattggg tttcattttg tttgttttg
120atttcaattg caactcaaac aatgaatctt ccaaagatgg ttaccctcac tctacaaaag
180tgctaagtta atattcttta aaataaatac aagcatttct tggactagat accatcaact
240ttaattttat ttttctcaca taaatgttaa ccaaaaacta aatgataatt tcttctgtc
300acacagcaat tccactgttg tggaacaaag tgttatctca agttccacag agcaattggt
360caatcattcc tgttgggtggc tcctttccaa atcttcgaga atg

403

<210> 2622<211> 404<212> DNA<213> Homo sapien

gattccatct actttaagtt taaaggattt tcagaatcac cttaagtgtc aaatttgta
60gcaggattaa ttgatatgaa ttcacttatt aaacagttaa ctcaaataac atagacatca
120aataacagac atctgtctta gttcatgata aaatgttgat agattttatc aggtgggttag
180tttgaaacta aatggtttac atctaaatta agggcaggag ctgtctttca gacattcaaa
240acgcatttgt gtaaaatgac aggtgtttgg tattaccagg aactcataat gacattttaa
300taattattgt ctaaaattca taatcgaagc gatttttagag tagttaactt gagatttcac
360agccagtaaa tggctgtatt tctccagagc tctcagctcc catg

404

<210> 2623<211> 408<212> DNA<213> Homo sapien

cggtgctgtc ggatttgtaa ggaaaactga ctgtttttta ctgtgggtgt tttcaaaagt
60ttaaaattgc gtctgtgtgc tttttgttgt attctagccc ttatgtgggt ttacagactg
120agttcatgtt acctatattt tattaaaaat ttcaaaccat tgagcccagg atatcgagga
180tacagtgagc caagattgtg ccaactgcact ccagcctgga tgacaaagca agaccctctc
240ttgaaaaaag aaaaaaaat ttcaaggcat tgaattctgg gttagccaaga aaaatggatg
300gatgcctaaa ccacatctc cctacataac ctccaacaa aatatagaac agcaaaaatca
360aatatatcta ctgttgactc ttgaacaatg tgggagttag ggatgctg

408

<210> 2624<211> 409<212> DNA<213> Homo sapien

ggcagcagag taatgctaaa aaaatgcact ttattatcct atggactttt ccaaagcca
60tagctaccaa tagagtcatt tgcattacac atactaatag tattatttct tctgaggaga
120tcctagctgt agctacagat atagaaaatt ctaccattga agatcttgta taaccttact
180tcagccactg aaataattta aattataaat attacatgtg ggtttgacta tcacagaaaa
240taaaatgatt atagatccta aaaacataaa ttcttgaact ttgcaaccat taattcatag
300gtactactaa tactcttact acagatttta taagtacttc cacttataga cagaagagca
360ttctcagaaa attagaatta atctaaatta tgagatagtc ttaaagccn

409

<210> 2625<211> 416<212> DNA<213> Homo sapien

tgagtgcaca cagtgttgg aaatggcagc ttgcttgggt ggaaagtgc ttaaaagtgg
60atgggtggaa tgtccagtc actccaggtg gttcagaagt taaatccatg gcagcatggc
120gcttgtgtcc tcctggactt gaattaagta gaaagttaact acaactcagc aacaaaaaga
180ctacacagac tgggaaccgt ggctcccgcc tgtaatccca gcactctggg aggccgaggt
240gggtggatca cctgaggtca ggagtttgag accagcctgg ccaacatggt gaaaccctgt
300ctctactaaa aaaacaaaaa ttatccgggt gtggtggcag gtgcctgtaa tcccagctat
360tcaggaggct gaggcaggaa aattgcttga accccaggag gcagaggttg caggga

416

<210> 2626<211> 414<212> DNA<213> Homo sapien

ggcacgagaa caagctgaca ttatgcactg agccagaagc ttctcagact tgcccagagt
60tacacagcaa gtccagggtg tggtgggaa ttcaactcaa ggctgttggg ctctgaagct
120tttgggtttt gttttttttc ctccactaca cagtactgca tgccatgtga gcaagatccc
180gacacagaat gaagtaacca gtatctttta ggcaacaag cagatcagta gaatctgatg
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca
300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggtgatga aatttggag
360cctaattgt aaagtactg ggccctcctg ctgggtaaat tcttttggat ttct

414

<210> 2627<211> 418<212> DNA<213> Homo sapien

ggcacgagggt ttccagcaca gtgcggttgt gtcgttggtc ttttttagta tttctattt
60ccaattttct aagaaaagac agaattaaaa aaaaaatctc ctagtttttt attggcaacc
120aatttcagaat tgtttaaaac attgtgctgg ccaaaacaaa aaacatgttt gccagccagt
180agtttttagc ctctgcttcc agagtgttaa ggacaggcct aaacatcctg gccaaagcttt
240aatggatttg catttttgta ctctggatgt aagttttatt ctgcctctcc tctaagacta
300cttttagatg tatcttctc ctcattctta aataatcctc agggattact tttctcact
360cagtaatttt cccctgcag gcagctattg ctccagctt cacatatatg gcttagan

418

<210> 2628<211> 407<212> DNA<213> Homo sapien

gttcaggcag gtgcttagca attttacaat ttccacaagc ttctgttcag ctcaccattt
60cgggtggatga atgtgtcatt tacaagaag tctgaaatgg gaagctgagt ttgaacaggc
120tttagccatta ttcacctcaa attggacctt attatgactc aaattgaaat actaaaaggt
180ataatacatg attgtataag tggcgtgcct taatgtgatt ctttagaaca aagtgtctt
240gagagaactc tggctgaatg tcaggtactg tgtttttgtt tctacaccaa caaactgtg
300actaacccea ttaaagcaac agccatgaat aatattggcc ctgaccttgc tgaattcaaa
360aacaaggtta attgtacct accataaatt ctacctgagg gttttta

407

<210> 2629<211> 405<212> DNA<213> Homo sapien

ctcttagtat aactttttaa tggcatctac ataacaccag tgctcaaatt tgaaccttg
60aaggctgtct ttttccatca acttgtgtga atactgactc ctccctgtt ccccttcac
120ttgggtttac tttcttgtt ttattatatg ctgatctgtc tccctgtta ggctgtaac
180acttttgaaa gcagaaacta gttgtgttcc gttttttctt atctcagaaa ttgaccttc
240agctcctggc accattctct ttgtgattaa catccagtaa acatttgta aatatgtctc
300ttaaaatatg tatcttttta actatttata cacctccaag tggatgacat gccacattt
360atttcttctc agtttgttat cattcttnt gccactaga ccaan

405

<210> 2630<211> 403<212> DNA<213> Homo sapien

gcttctcttt tgttgatccc ggcgatnctt atctcttget gttegaantgg ctctgcctct
60tttgtttcag gttgtgaccg tgtatgagnn ggtctgatg taagatgaag gtgtggattt
120atcaaagcct tttttccag ctatatataa ggaatttgaa gagttgcata aaatggttaa
180gaaaatgtgc caagattacc tcagtgttcc tggctgtgt tcccaggaga ccttggaat
240aaacaatgat aaggttgcgt agtcattagg aatcacagaa ttcctacgga agaaagaaat
300acaccagac aaccttggac ccaagcact cagccgagac atggatgggg agcagctaga
360gggagctagc agcgagaaga gggaaactga ggctgcggag gat

403

<210> 2631<211> 411<212> DNA<213> Homo sapien

ggcacgagat gaagcccaga ttaacttttc tgtgaatatg gcctgtgaac tgttgcagg
60attaaattgg agtctagcac aaattaagtt aatctactct gtattaatca ttgggaaaaa

120gaaaagcttc atttgaaaac agtctttttc cttcacccac actaatagaa aaaggagagt
180aattttgttca tactgtattc cacgtgggat gaaaagcatg ttttgcctct tgtttctggg
240ccggtgtgat ccgtgtgttg gtgcctgagc tggaggaagg agcttcttgc agggaaacag
300ccactggggc cacattgagg gccagttggg accttctttt ccagtcacac tctgtgtcct
360cacgggcccc ttcacagtct agataaggag cctagtttca ttctcanaga a

411

<210> 2632<211> 413<212> DNA<213> Homo sapien

ggcacgagct gccctcgttc cgcgccattc aggacgactg ccaggtcac acggccccgc
60tggcccagca gctgcggcag cgctttatgg agggcggctc aggcgccccg gaggaggcag
120agtgcgtgga gctgctgctg gccctgggcg agcctgcgga ggagctgtgc gaggagtcc
180tggcgacgc ccgcggccgg ctggagaagg agctgagaaa cctggcctgg ccgagttgct
240ggccaatgtg gccagctcca tctgagcca cattaaggcc tctctggcag cagtgcacct
300tttaccgc aaagaggtgt cttctccaa caagccctac ttccgggtg agttctgcag
360tcagggtgtc cgtgagggcc tcatcgtggg cttcgtccac tctatgtgcc agn

413

<210> 2633<211> 402<212> DNA<213> Homo sapien

cggtgctgtc gcattccacg ggtttctgt gcagtattgg gagcatgaca ggggaggctc
60caaatggag gttgagctgg gtcttataga ataaataagt ttgctgggac cagagacatg
120ggtgtgcaca gactcagagg caagaaagt gtatgatgag ggtggggggg tgtgcggata
180gaggttgag ccacaaagcc ctgaaagttc agtgttgagg ctgagggtgg ggaccctaga
240gaggcaaaag atgcacagcc agatggaatt ggtggtgta attgccagga ctggaaagag
300cccaaatggg ggctgcagca tgggccttgg ttgaagctc taatcctgtg agggctgctt
360tggcccaaga ggccttagaa acccggtgta agccttaac gg

402

<210> 2634<211> 418<212> DNA<213> Homo sapien

ggcacgaggt tggaaagaag aaaagaatta tagaaaatac gaggtaaaata tggtttacag
60aatacagaat acgaagatga aaagacattg aagaatccaa aatataaaga tagagctgga
120aaacgtaggg agcaggttgg aagtgaagga actttccaaa gagatgatgc tctgtcatct
180gttcattctg aaattactga tagcaacaaa ggtcggaga tgttgagaa gatgggttgg
240aagaaaggag agggcctggg gaaggatggt ggaggaatga aaacgccgat ccagcttcag
300cttcggcgaa cacatgcagg cttggggaca ggcaaacat cctcatttga agatgttcac
360cttctccaaa acaagaacaa aaaaaactgg gacaaagcac gagagcgggt tactgaaa

418

<210> 2635<211> 409<212> DNA<213> Homo sapien

cggtgctgtc ggacgagaca gcgagaggaa cagcgtccgg ggcgaccccc agtccaccgc
60gggggcttgg cgcgcttggg gcaaaggccc taggagaccc cttctggcca caaatcgag
120tatgacagaa aaggggccagc gggggcgctt tcttccagg gccacttgc ggaatgtaag
180agggacggag agacgtccgg aaaaggctgc cagctcggg gcgctgcgc agggccaggca
240cctaggccag gggagcggag acctcgtggg agcgggcagg gggaccttc cctctccc
300ggttccacc caggcgcttc cccgctgtga acgcccgc ccagggtgaag gggaaacgg
360ccacgtttcc ggacctcggc gngcacacg gtctccggtt ttcaccggg

409

<210> 2636<211> 403<212> DNA<213> Homo sapien

cggtgctgtc gggcaatctc catggctttt tggctgaggg tggagccaag gacatccgag
60gtgctgtgga ggccgtcac caggctttcc ctggctggg gggccagtcc ccaggagccc
120gggcagccct gctgtgggccc ctggcggtg cactggagcg ccggaagtct accctggcct
180cgaggctgga gaggcagga gcggagctca aggtcggga ggcggaggtg gagctgagcg
240caagacgact tcgggcgtgg ggggcccggg tgcaggccca aggccacacc ctgcaggtag
300ccgggctgag aggccctgtg ctgcgcctgc gggagccgct ggtgtgtgtg gctgtgtgtg
360gtccggacga gtggccctg cttgccttcg gtccctgtg ggc

403

<210> 2637<211> 389<212> DNA<213> Homo sapien

cggtgctgtc ggaagactag catectttt gctccctggt tggntgtgaa atacacacac
60gcacacacac acacacacac acgctcgcac tctctgaga ctccgaacag agaaaaaat
120tatttgcaaa tcaacacatt tttctttctc gtcttgagaa aatgtcttga ggtccctgaa
180gggccaatc catcgtggac taactctgtg ggtagagctc agatgacctt gggagaatta

240aaccacttaa tcttggagtg ggaggagagg ggggtgggtg ggagagaata taagatgtat
300cttangctaa gtggaatcta ttataaaagc gagagactct catctatctt tatgagagga
360gagggtttt aatctagggg aggcagccg
389

<210> 2638<211> 396<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggggc tcatgcctgt aatcccagca ctttgggagg
60tggaaaacct gaggtccgga gttcaagacc aacctggcca acattgctaa accctatctc
120taccaaaaaa tacaaaaatt acccaggtgt cgggtggtgtg tgcctgtaat cccagctagc
180tacctcggga ggctgaggca caagaatcac ttgaaccggg gaggcggagg ttgcagttag
240ccaagatcat actgctgcac tccagtctgg tgacagagaa cgattttctt tggaaatata
300tattaaatcac taaacaaggc tgggactgat cttcattgtc attcctggct gcccatatta
360ctcaaggctg acgattaacc atttgtttta atacat
396

<210> 2639<211> 393<212> DNA<213> Homo sapien
cgtggctgtc ggagagcttg gatttctatt gacctatcac tggtagcaac tgtaccagct
60aatcatgtgt ccttgagtc tgtcacgtga cctttgcttt cctctgaaaa tcttttatt
120cagtaggcca gttcacccca ttataataa ttaataaaat cactatgttt gacttcaagc
180ttttccctta ggtttatgat tttttaaag tattatcctt ttttggcatt taggaaggca
240tctatttttg ttttaatggt tactttgatg taatactttt ttttctgtct cttgagcatt
300gactcccgct gtgagtata aatcagacat ttacctttt tccccctcc tctctttatt
360ttccatcata taacttgaaa gattatcctt ttt
393

<210> 2640<211> 393<212> DNA<213> Homo sapien
ggcacgagac tcacttctaa tagaatctag tgtcataaat tatacaaaac tagaagcagc
60agattgtagg agaattgggg aggtgtggga gatttttatg tggaatgaca tctgtcagga
120aaagagaata aaaatttctt aaaagactgt catattaagc cctttacct tttccttgtg
180ccacctcatt acatagatag atcatcattg tatcagaaaa atgttaattt atattattaa
240tgatcacttt gtaagtatgt ttttcaacc atcctaaaca cattttcaga aatgttttct
300tttaaagggt gataagtttt aaaaattttt ttataaagag ttaggcttgt gttattactt
360aatgaggaga acctcattcc ctattaatgt taa
393

<210> 2641<211> 384<212> DNA<213> Homo sapien
ggcacgagga gagttatagc cttatttttt ttacattctt aggaatttat gaaaatgtat
60gaagtgtgat gaattattaca tagaagtatt acaagcttat gagcgcttag aaatcaaate
120atatttttgt cttttgaatt cattaaacct taaaattatt ggagttctga tttagtgtt
180cagaactatt ttggtatttg tgtatcttgt ttggacagg gttagcatgt atttgacacc
240ctttagccct ttaaggata tttgtctgt gaagattttt tttctttttt tttttttttt
300ggaaaaaag tcttactttg tccccagtt tggagtgaat gggcttgacc caaaatcgtt
360tcccatgcta aagaaatttt ctgg
384

<210> 2642<211> 392<212> DNA<213> Homo sapien
cttaaaaaaa tatatagaaa gaaagaaaat gcttttcaat tttgggcca gccattttta
60cttaaaggta atatccatat attcctatta gactaccct tccctatag ctaaaattaa
120attcttagag aagaaactta catcagttta atgaatacac agcctgtcta taccaatttc
180ctcttctaga gtcactacat tcaaagcttg gtgggtctca atagggattt actgctgact
240gggtaacttg ggttctgtg tgcagtgaac tcaagcaaga gatttaccac gagaagtggg
300tgccatgaca atgcatgtaa ccatggtgtg accggcctcc ctgacatggc tctcanaagc
360tttccctctg tgaaaacaga agcctgtttg ca
392

<210> 2643<211> 391<212> DNA<213> Homo sapien
ggcacgagt ataatatagt aagccaaaat tggtcagtgt aggataagca agatggaata
60agtgaagt tagtaatttt ctcactttt attatgacaa gtcactactt actatataag
120aaatttttaa atacggtaaa atagtacata aaattacaaa gataaccacc aaaagatcct
180agaatagact ataaaccttt ggaactatca gaataaaaac acacaataaa gaaaacaaat
240accatatggg aaaataattg tgtgtatttg tgtctttaat ttgtttgtga gtgtctttaa
300tttatgtgtg tataacatta taaaggaaaa atataactaa acataatccg tatgattaaa

360tattttctcct atatccagaa atgtaaattt a

391

<210> 2644<211> 389<212> DNA<213> Homo sapien

ggcacgagga tacccccagc actcatatgg tttctatacc aacagttatt gatattacag
60gagagtatgt aattagtaat gctaaaaaaa tgcactttat taccctatgg acttttccaa
120atgccatagc taccaataga gtcatttgca ttacacatac taatagtatt atttctctcg
180aggagatcct agctgtagct acagatatag aaaattctac cattgaagat cttgtataac
240cttacttcag cactgaaat aatttaaatt ataaatatta catgtgggtt tgactatcac
300agaaaaataa atgattatag atcctaaaaa cataaattcc tgaactttgc aaccattaat
360tcataggtac tactaatact cttactacn

389

<210> 2645<211> 387<212> DNA<213> Homo sapien

ggcacgagcc catctctact aattatacaa aattagccgg gcatggtggt gcatgactgt
60aatcccagtt acgctgggagg ctgaggcagg aaaatcgttt gaaccaggga ggcggagggtt
120gcagtggacc gagatcgcca tatatatata ttcatatata tgtatatata cacacatata
180tattcatata tgtatatata cacacatata ttcatatata tttatatata cctatattca
240tatgttttca taatatacga atatacctat atgttcatat atgtatatat aatattcata
300tatgcatata tgtatatata atattcatat atgcatatat gcatatatac ctatatatgc
360gcacatacat attcctatat gcatacg

387

<210> 2646<211> 386<212> DNA<213> Homo sapien

cgttgctgtc ggtgaactgt gatcatccag attttggcag cttataggtt cttagttgat
60ataaaaaaga atgccaaagc atgggtaaaa atacatgaca taactatgta aacaagtaga
120agaacttagg gttcttctaa gtagggtcag agccaagatg agctagcaaa aaaccttggt
180actttttttt ttttgaaagg gagtttggtt tggccaccca agctggaggg caggggaggg
240atttcgggta attgaaacct ccacctctgg gggttaaagca attttggggc ctaacctcc
300caggaagctg gaataacggg ggcattgccac caccctgggt taattttggt ttttttagca
360aagacgggat ttcaccatgt gggcca

386

<210> 2647<211> 396<212> DNA<213> Homo sapien

ggcacgagaa aatatataac aaccaaagtg ttgtattaag ataactctta acctctgtta
60gtagtaacat gtttcattac agtatcaaat atataggtta aatttggtga catgaaaaca
120cttggtggtc gtatgtctat caaacattca tgaaaaattt gaagactatc aatttggtac
180ctacaaaaaga tgatgaggta gccatggaaa tgcacacccc agatctcttc ctgtgagaag
240cagagttgac agaaccctag ctgctacccc atgggatcta cactgtatt cctgctgttc
300ccagccaatg agtgagaatg gcaggactat taacactgac ccagtccctc gatgggcaac
360attggtcaa ggatttccca ttagattgcc cagaat

396

<210> 2648<211> 387<212> DNA<213> Homo sapien

gacttgctgt tettaacctt ccaagcagg catgtagacg cacatgtgtt ttacacacgt
60cattggagga aggttggaat taccagcttg gttgcaagga aagaggcaat tgagaggact
120ccttctcaca ctgcagtaat ttgctgagtg acctgaaca aggatcttaa tgcataaag
180ctgttttct caaccccaaa atgaagggat tggaccagat gccctcaagg ttcctcaagg
240gtcagctgtc acagttctcc aaagttagtt ttcaggcaca catagagtta gccagtgtcg
300cctcaccagg acattctgtt ttctgaacat tgggcctctg tggtttgtca catacaccac
360cgggactggg ctcataacta cctgaag

387

<210> 2649<211> 398<212> DNA<213> Homo sapien

cctcacccca gctgctgtct gcttctgacg gatcttggtg ctgaggtctc ctggctctcc
60gagtggaggc gcagcctcca tatttggtgc actcaggcat ggctgggaca agccagctgc
120cccagggttc ttcctctggt gattctcgcc tgctttctca tctcagggga ggcagtggca
180cctcctcttc cctgctgaca tgaagagagc tatgatatgc cactgtctgc aactcctcct
240ctgccccac ctgaaaccc acagtcacca gtggaggggc actactcctc cccatttggt
300tcccaggga ggggtgttgt ctggaagggc aggttcagat gcagccttc agatttagag
360gactgggag gacagtggct gagtggaggc gccacac

398

<210> 2650<211> 387<212> DNA<213> Homo sapien

cggttgctgtc ggtttgatga tggatgatgat gatgatggca gtcataaact gaggagttag
60attcatgcca ctctacattt gaggttcttt ctccagccat gtaactcttg caatggagta
120gaatagggag gagggggaag gtgagaacgt aggtagaaag agctgttggg caactgttag
180aataaaacag aaaagagatg aatgtttgca cataggcagg ggcagcagga atgcagaagg
240gcaggtgtca gagagcgtcc acgtggtagg acccacagga ccaggtggct gaatgcagag
300gctgaggctg agcaggggcg ccagtatggc tcctgtgttc tgatggcgtg tagtggcgtg
360accagccagg gtctggaaga aagagga
387

<210> 2651<211> 400<212> DNA<213> Homo sapien

ggcacgagca tacttttact taaataatta ttataaagac ctcaaaggaa atgtatcagg
60tgctgtaaga taatttaaca ggtgggtttt cttagtttga ggggaaaaac tttaggggca
120tgaggaatta gaaagagcta gtgaaaagaa agttagcag ccaaagagtt aggtgaagaa
180acaaatctgt ggtacattaa gaaaccaaga aggaggaatt tccagagcat atttgggtc
240atgaaagtca aatgctgcca agatggaaag gaagatggga gttgagactg gtttgcata
300tatggtgatg aaaactgttc tagaaaagtt tcaagttaat aggaccaaac acagcttaca
360gggtgattaaa aaatgagaag gtggtgaaat cctaagtact
400

<210> 2652<211> 389<212> DNA<213> Homo sapien

ggcacgagc cctcactgc cctgctcaac caaagccgcg gagagcgcg agggccccc
60agtgcagcc acgagcact ggagaaggag gttcaggctc ttcgggcca gctggaggcg
120tgccgtctcc aaggggaggc tcctcagagt gactgagat ccagaggga tggccacatc
180ccccgggct acatctcaca gctgggtggc gtgatcactg tgccgtttt acagacaagg
240ccactgagct ctgagaggtt atgtgacttg cccaaggtca ccccgctgc aggtctcaa
300gggtgggattt gagcaggggt ccggtgact gcagagcctg tgtgtgagtc cccgtgtgac
360actctgact tggaccctt cccgggga
389

<210> 2653<211> 397<212> DNA<213> Homo sapien

ggcacgagc gcctccatgc tctggcctg gaggataccg gagggccctc tgcctcgcc
60ggtaaggccg aggcagagg ggaaggaggc cgagaggaga ccagcgtga ggggtccggg
120ggcagaggc cgcaggaga agtccccagc gctgggggag aagagcctgc cgaggaggag
180tccgagact ggtgctgccc ctgcagcagc gaggaggtg agctgcctgc ggtgggca
240ccctggatgc cccgcctc cgaatccag cggctctatg aactgctggc tgcccacggt
300actctggagc tgcaagccga gatcctgccc cgtcgccctc ccacgccga gggccagagc
360gaagaggaga gatccgatga ggagccggag gccaaag
397

<210> 2654<211> 398<212> DNA<213> Homo sapien

ggcacgagaa acatccttgc tgtggcttcc tggcctcaga gcaggtttta gaggaagggg
60ccacaggctg cctagtgcac cctggctgtg ggcagccct ttcctggagc cctcctgct
120accccgatcc tccatcttg ctgcacagct ccaccttag ccacgcaagg ggagaacatg
180ggcagagtct ccacccagca gctgggggtt ctgggtggac tccctgtgccc cctgctgctg
240ctgggctgtg ggtctgccc gcacccagga gcccacggt ccaccccca caccatgcc
300agcaccaggg aggttgggca gacaagacct gggccatgcc agcctctgtg gctcgggtt
360tcccactggt tacacaggat ggtcgcattt tccctgcn
398

<210> 2655<211> 386<212> DNA<213> Homo sapien

cggttgctgtc gctccctccc aggtctgggc tgcgcagtac ctccccctgc cttagagcac
60cccaactatct ctgtaaaggc tctctctctc tttttttttt ttactaaccc gagctaaaaac
120caattcctgt tgataacaac taaacaacct cattaccgga gaggacttcc gtttactttt
180tgcccttttag gttccacttt ttttttggga aaggggattt aatttgttcc ccagccccga
240catcgactgg tataattttg ttaagagca cccttgagcc tccataggga acaacattcc
300ccggctgcac cctccaaaga tttggggata acgggatacc ccccccccc cccactatt
360tttgtgttt tatgaaaaaa gggcgc
386

<210> 2656<211> 399<212> DNA<213> Homo sapien

ggcacgagcc cggacctgcc cctgcctccg accggccctg aactttgtgg ggactgagct

60tgggatctcc cccgtggccc gccccacac cgggcttctg ggaggtgggc tccagggctg
120tggagagaaag ttgggtgggtt ggtgcaggca gcttctgggc ttgagtcggg cccctgcac
180ctccagtcca cactcccag gagtcacct gctcccaggt cgaactccat ggcggtaaga
240gaagtgggt cctaaggcca agggcgctg ggcctgcag aggagcggag cagggggagg
300agcgtgaga cctgccgtt ggaggaatgc tgagacgcc caccacacct ctgtcctggt
360ctcagccct gactcattgc ccggcaccac ccaggattc

399

<210> 2657<211> 395<212> DNA<213> Homo sapien

ggcacgagga aaaaagagct gttgaatgtt agatcatgaa catcagtatt tatctgagga
60acatcctgcg gaggaatccc tttccatt tattaacac aaaattgccg gtgtttcaag
120tagttctctg atcgatagac caacaactga aattaaatgc ttttagtctc aagtgtccat
180ttttattaaa atgtaattat catgaacaga aaaagcaata caaggcgtgt gttcttaata
240attctgccat tctcttttg acatttaaag gaagagccta ggctggatgt cttgatcaat
300aacgcaggga tcttcagtg ccttacatg aagactgaag atgggtttga gatgcagttc
360ggagtgaacc atctggggca cttctactc accaa

395

<210> 2658<211> 388<212> DNA<213> Homo sapien

cggtgctgtc gatcgggcaa cccaaggact tctcactgg catgtgctc ttcctgcaga
60cgctgaggca aaaacagcct gagcggctgt gctcatgcc tgctcttgag ggcaacgtgc
120tggcggaccc atttcccgc atcgggccat aactgcatca ttggtccaa tgggagcctg
180ggacctgtcg tgctggcga agatgggtgtg tgtatccggc ggtgcacgat gctgcgggat
240gcccgagatg cgctccatt actggcttga gtctgcatt gtgggctggc gctgccgct
300gagtcaaaga gtactcatgg agaactgtac agagctgagt gaggacgtca taattaatga
360ggagctctac ctcaacggag acagcgtg

388

<210> 2659<211> 378<212> DNA<213> Homo sapien

ggcaccagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt
60tttttttttt ttttttttgg ggggccccca aaaatttttt tttaaaaaaa aaattggggg
120ggggcccccc ctttttttaa aaaagggggg ttttaagggg ggattttttt cccaaaaaaa
180aggtgggtttt ttttttcccc ggggggggtg gggccccccc ccaaaaaaaa aaatccccgg
240gggaaacccc ccccccccc cccggggggg gggccccccc tttttttggg aaaaaacacc
300cccccccccc cctttttcct gggggggggg ggaatcctcc tcggagaggg gggggggggg
360ggcaacaaaa aaacaaaa

378

<210> 2660<211> 382<212> DNA<213> Homo sapien

cggtgctgtc gattttccag ttgtttgct atattctgca aataaaaacc gtgtttcctt
60ttttcactta aactttggtt ggaacaaaac taaagcagac aaacatttct tgttatgttt
120gttgctttct ttaattggtt ggataaaaaa agtaaaaccc tgtaaacatt attttatttt
180tttatgcaat accatgctgt aaatatggtt catcaaataa ggatgtacct atgattgaat
240ctttaattct gcacagttag agtttatata taaacgtgtc ttgacaatca aggactttta
300tgtgagctct cttttatgat gtttattaat gttatgcatt ccatttggtt tgaagtgagt
360accaatgtgc taatttgtat tg

382

<210> 2661<211> 373<212> DNA<213> Homo sapien

cggtgctgtc gggaacttta aaaattatgt ctgtagttaa ataactaaat gtaagaaagc
60ctttaatata gggtagagtt attaaatagc acaattaaaa aaattttaga acttacaaat
120acaaaggatt attattttct caaaattatt atctttattg ctataatatt tatttaattg
180agctttttttg ttcaatgcac ttttggaatt tttctttgga aattactaca tgatgctttg
240gacagctttt aaatatattg tatatatcca gtcccttaga ttttaaatat ttctgtttct
300tcactttttc ctctgttaca tgggtttcca tgtaacctct tcactatctt ggttgtcttt
360ttctttctaat gct

373

<210> 2662<211> 373<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaaggcct tattttgaaa tcagaataat ggaaattatt
60acaattaaaa agtcactaga aaaacagacc tattgtacaa agattccagt cttacctttc
120caagctctgc ttactgattt ttctcttatg tctctattct tttcccttcc ctttgccctt

180cctttctccc ttctgctctt tgaccccaaa ctcatctttt cttcttagtt tattaataa
240aaaccaaact atattactat caatatattt ttactatatg cagttcatat agtctcgtga
300ttggccaaag tctaattggt cccaataggt cctcaatctt taaggcccag tccaaacctt
360ccacaatgaa ggg

373

<210> 2663<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa cctcgtctct actaaaaata caaaaaaact
60agctgggctg ggtggcatgt gcctgtaatc ccagctattt gggaggctga ggcagagaat
120ttcttaaaacc tgggaggcgg aggtttcagt gagccaagat tgtgccactg cactccatcc
180tgggggacag agcaagactc catctcaaaa caaaacaaaa caaaagatgg catagaatcc
240ttcttggaac cttgtgcaga gggaagagta aaaagacctc eacacggccc actctgtcca
300ccatctttgc tccaaaagtc cctaccctgg aagtaccggc accagaagcc gtatcctcag
360ggcactcaac gctgcctn

378

<210> 2664<211> 378<212> DNA<213> Homo sapien

cggtgctgtc gattcagggg tcaatttggg acttgctgga ttatgggtgat ggtttttgga
60tagtatgtgc ttcattattt tatttgggg agttacagtg ttgtagtttt ttgttaacag
120ctacactttt ggtactattt tccttttaaa tttttgggtg ctaagattta ccactaatta
180ctaataatag cctttccaat tcacttaaaa ccttaataag tgaaatgttc aggtattgct
240agggtaaatg tgtcttttcc tactattgag attttaaaag gctgtgatta agagagactt
300tattaatttg atctgaaaga agtagaaacc tctatgaaac aatttttatt ttcctttgca
360taataacctta gaaatgtg

378

<210> 2665<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaatacgac agaagggatg agagtggagg tgacatgtga tcccatgcct
60ccaagagcaa agccactgag gatggtgaag aagacgaatt aagtgtgga gaaaaggagc
120acgatagtga tgagagttat gatgactctg attagacccc agataaattg ttgcctgctt
180ctgtgtctct gccagcctgc gatcattttg tgtagagtt tgaaatccgc tgtttgcctt
240tcttactggt aggatecttt tttgccctc ttttttttt ttttttttt tttaaaagag
300ggcttccctt gtcttcccaa ggcggggggg ggcgggagaac atttgggtat ccggaccctc
360ctttcccccag gta

373

<210> 2666<211> 376<212> DNA<213> Homo sapien

ggcacgaggg ctggtttgtc tggggagaca gacaggatgt tgtggagctg ggggtggaacc
60tgggtatggag ggattaaact agtcatggca ttctccgacc aaaaccacac ctgtgtctct
120ggcaggctgg ctggccttgc tcccatccct agaactgctg cctctccctg gatattccag
180ctcaattagt gccacatatg ggggaaacga cacatcccag tgggatttcc aacactcccc
240ctccccatgc aacaaagcaa ctacttctg gagttctctc ccaaggagag gacacagaca
300cagttgtttg ctgtgttata tgttagctcc gaacaatggg tctcaattgg cttagcatca
360aaacacctaa ggagtg

376

<210> 2667<211> 382<212> DNA<213> Homo sapien

cggtgctgtc gggcagctca ggggaaggtca ggagatgggg tgttcccagt catgcccag
60gcattctctc cteectgggc cccacctgcc tcgccctgtg gcctgagtc cttcagctgt
120gtgggcttcc ctgagtgtcc tgagtggagt ggcataaggg gtgagaggcc atggtgtctt
180tggggctggt ggtccgggtc tggccatctg tcacctctca ggcgtgcagg cactaatccc
240tccaagcctc agttggccac agtgagaagg ggcctggtaa cactgtcctg gatgccagg
300tgttgtgaag gtcccggctt agcctctggc aggaaggagg tgctcaggag gtgggcacag
360gcagagggt ggctgtgggg gg

382

<210> 2668<211> 371<212> DNA<213> Homo sapien

tgaattccg ttgctgtcgc atttcacggg tttctgtgc agttatggga gcatgacagg
60ggaggctcca aaatggaggt tgagctgggt cttatagaat aaataagttt gctgggacca
120gagacatggg tgtgcacaga ctgagaggca agaaagttgt atgatgggg tgggggggtg
180tgcggataga ggttgaagcc caaaagccct gaaagttcag tgttgaggct cagggtgggg
240accctagaga ggcaaaagat gccagccag atggaattgg tgggtgtgaat tgccaggact

300ggaaagagcc cagatggggg ctgcagcatg ggccttggtt gaagcctcta atcctgtaag
360ggctgctttg n

371

<210> 2669<211> 378<212> DNA<213> Homo sapien

ggcacgaggc ggatcagggg gattcagaag cgcttcagag aacaggagcg cagccgggag
60cagggccagc ccaggccccct gaaagctctg tggcgctcac ccaagtacga caaggtggag
120tcccgggtca aggccagct ccaggagcct ggccctgcct ctgggacaga gtctgcccac
180ttcctgcggg cgcactcccc ctgcggccct ggccctccac caccatgt atctagtccc
240cagccaaccc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt
300cacaatgcac gagctgcca gagagcccc cggaggcatt cctgctcact gcaggtcctg
360gcacaagtgc tagagcag

378

<210> 2670<211> 373<212> DNA<213> Homo sapien

ggcacgaggc ggatcagggg gattcagaag cgcttcagag aacaggagcg cagccgggag
60cagggccagc ccaggccccct gaaagctctg tggcgctcac ccaagtacga caaggtggag
120tcccgggtca aggccagct ccaggagcct ggccctgcct ctgggacaga gtctgcccac
180ttcctgcggg cgcactcccc ctgcggccct ggccctccac caccatgt atctagtccc
240cagccaaccc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt
300cacaatgcac gagctgcca gagagcccc cggaggcatt cctgctcact gcaggtcctg
360gcacaagtgc tan

373

<210> 2671<211> 376<212> DNA<213> Homo sapien

ttcgaattcc gttgctgtcg ggcttatctg atgtatctcc gggtganga agcgggtggag
60tccatggtga agagtgtgga aagagagaac atccggaaga tgcagggtct catgttccgg
120tgacgagcca gctgtgtgga ggacagccag gcctccatga agcaggtgca ccagtgcac
180gagcgctgcc atgtgcctct ggctcaagcc caggctttgg tcaccagtga gctggagaag
240ttccaggacc gcctggcccgt gtgcaccatg cattgcaacg acaaagccaa agattcaata
300gatgctggga gtaaggagct tcagggtgaag cagcagctgg acagttgtgt gaccaaggtg
360gtggatgacc acatgg

376

<210> 2672<211> 370<212> DNA<213> Homo sapien

tacggctgcg agaagaccac agaagggggg gcacagccct gatgatggag gggctgctca
60gtgcttgcta tcatgtgtgc cccaactata ccaatttcca gtttgacaca tegtcatgt
120acatgatcgc cggactctgc atgtgaagc tctaccagaa gggcaccgcg gacatcaacg
180ccagcgccta cagtgcctac gcctgcctgg ccattgtcat cttcttctct gtgctgggag
240tggtctttgg caaaggggaa acggcgttct ggatcgtctt ctccatcatt cacatcatcg
300ccaccctgct cctcagcacg cagctctatt acatggggcg gtggaaactg gactcgggga
360ctctccgcgcg

370

<210> 2673<211> 355<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggttt ggatcatttt tttctgaaag tgggcaatta
60tttcaaaaaca aaatggtttc aatagagcgc catgatattt ttctgacatt ttctttgaaa
120tagttgatac tcttcttgca aattttgttg acagtgtctc taggttccaa aaagaagggt
180aacgccacta cagcaccttt gccatctgac cagcagcaat tctaagatgt cattgattct
240aagatgcac tcaattccca agatgttaaa atgaacaaaa tacatcactt aggatcataa
300acacatttta gttggaatag acacatttga agaccagatt tgaacaatga tctctg

355

<210> 2674<211> 361<212> DNA<213> Homo sapien

gcctacggct gctagaagac gacagaaggg attttaaaga aaagcatata acataaaata
60aaaaagaaga ttcaatacgt aacctatagga gatacaaaaca ttcaaagagc aggttaagga
120aagaagcctg agaaggaccg ttacagagaga cagataaaa gaaaaccagc aagagaaggt
180taaatctgac gtcacaagag gaatgcactt tagaaaatag gagggctcaa tattaccta
240cagagagacc aaataagact aaattgcaca aagttcttga ggaagtgaag actcagatta
300tagactatat ttttgagaat attgggtatg aaaaagggtg acttgcgacac tcaccagttt

360t

361

<210> 2675<211> 356<212> DNA<213> Homo sapien

tatccgctgc gagaagacga cagaagggtta cagtttacac tttttctta aaatcatgaa
60agcgggttcc tatcttaagc atatatgtg actactatta acagactgat ttgtgtagat
120attaaatgct ttaagctatt ttaccttttc aagaagttgt gttttttttt ctccaagtca
180taaccaattc ctgcaaagag gtttcccatg acttgtgatt ataaagtaga caaccaggga
240attgcgcgag acacattttt atttaattct tttttttacg gaatgccct gagccggaat
300agattaaaag cggttccttt cctttttcac atttaaaaca ggatggtttc tgggtt
356

<210> 2676<211> 366<212> DNA<213> Homo sapien

cgttgcgtgc gaaataatag agctaaataa tgcctgtca ctccattat aagaaatctg
60gattcatatc taagtgtata tgtataatac tgtacagtta agagttcaga acaagtggga
120atgttttctc ttaatttaac tcattttgtg ccttctttac tcattcaaac acacatacat
180tttacatata gtttatttct ttatgaaatg ctaatcttca gcccgtagca aaaagtagag
240tggagcctct ttgcactact actatcaata aatttttaaat cagttggatt tttaagcatt
300tttttaaaagc tgacattaaa gtaaatctaa aaaaagtta aaaaactggc caagacacta
360attttt
366

<210> 2677<211> 367<212> DNA<213> Homo sapien

ggcacgagcc ccagtcctat cccaggacgc cctgagggat ggacgcagcc atgcaccccc
60catctggggc ctctccctgc tccctctccc acctggcagc tgggagttct ggcttctagg
120cctgcctgt caccaggcct ctgagtggcc aggcccttcc acctcccat ctgtaaaacg
180aggcagctgc cggacagcc ttgggtcct tagtggcct gcaggtcctc tggcagctct
240gtgacccca cctctcccg gactgccct ctgtcccaga ggggtcacc tgaccgggc
300caccttgcca ctgggtttg gactccagcc ctgacagggc ccagccacac tggctctgcc
360cctcgaa
367

<210> 2678<211> 349<212> DNA<213> Homo sapien

tacggctgcg agaagactac agaaggatc aactttctta gttcaggcca cctgcaacct
60ccttctagta gcaatcacac cccagcagc ctggaactag agtattctgc caaagcagaa
120acctgtcac tctactcacc tatataatga ttttctgtga acttaggtat gaagttgaaa
180atcctcaact tgtcatacaa ggctctttat gttgctctg ctttagtggc caccaatcta
240ccacccatt cactctcca ctcaccaacc tacacatgca caccctctc acattcaatt
300tcttctcct tctcctctc cgctcagcaa tactacatta ctttactt
349

<210> 2679<211> 337<212> DNA<213> Homo sapien

gctactgttg ttagaagacc acagaagggg tctcaggtgt gatgcatttc tagcaagacc
60aggctggaat ggagaggggg taaggacatc cttcatlcat gaggggaaca aagagtgtt
120cccatcccc catccctcc tcataaaaaa cttgaaaata atgcataaaa taaacaatcc
180atcaatcatg gggaaatttg aatcacatgt agcataatgc agggcatatc tgtaaaagta
240tcagtagagg atactacaaa tccccaaaag cccaccatag ccagagtgat cgtcttaaac
300cactaatagg attacttct gaccgcttc aagctt
337

<210> 2680<211> 470<212> DNA<213> Homo sapien

gttctttttt nnaatcccat cgattcgaat tcggcacgag gtgcaacgct ggcaagtctc
60aaagtcgcca cagaaacatg cccctgattc agtgccctctg cttagctgta acatgttaat
120cagaactacc tggcatcttc ctgaacaaga ctttcaatag gggccagtat gcttcgcttc
180atccagaagt tttctcaagc atcttcaaag atactgaagt actctttccc agtgggacta
240agaaccagca gaacagatat actttctctc aagatgtctc tccagcaaaa cttttcccca
300tgtccaaggc cttggcttcc etcatcattt ccagcgtata tgagcaagac acagtgtat
360catacatccc cctgcagctt taaaaagcag cagaagcaag cacttctagc cagaccctca
420agcaccatca cttacctaac tgacagccca aagccagcat tatgtgtaat
470

<210> 2681<211> 420<212> DNA<213> Homo sapien

cgcacgagag agaaaaagg tggngagggt ctgattaaaa actatgcaca agtaggttta
60acaaaaatc tcatgaaat gtccggaac tgaaatttaa acaactgtaa tattaaggaa
120accagaatca ataaatcact gtcttgccag cacagctaca gagtaacatg attcagggga

180ggaaaagtgc cttacagtta cttttataat tctttttttt ttttctctt aggttaaaaa
240ctctaacaaa tttaaacttt atctttttta acttatattga acatacttta gaattattgaa
300cctctaacc caaatgttta tagataccct cttatccata aacaaaaccc tgctaagcca
360tggtctatt ttttttttgg cttatagagg cgggtaacag tttttttgca ccaatatatg
420

<210> 2682<211> 440<212> DNA<213> Homo sapien

gcaggagccc atcgagctgc ttgtttgggc cgaagcggcc tacggctgcg agaagacgac
60agaaggatcc tgaatgtgtg tgctactttc caccttcacc accaccaccc tagtccaagc
120ctccacatca ctctctgcta cgatcctcca gcctctccca tgatggcttt ttttctgtcg
180ctcagctccc agttctctgc tcttcacact aatcataaca tatcatttct acctccatgc
240ctctgtgtga tctcttcccc aagtctagat tgctcatacc cctgggtccac acacagctct
300ctctgacact cagatcctca acagtgaatt tcttgaccac ccaaactaat aaagatacta
360gaaacttttc tcattctccc cccaccacct ttttttgaga cgcttttttg ggggtctact
420ctgttgccca ggctgggtgtg
440

<210> 2683<211> 427<212> DNA<213> Homo sapien

ggcacggata atcgntnttt nttaggatcc catcgcttcg aattccgttg ctgtcgctcg
60atccaaatct cgggagatac gccatcgcca caggtcccg cccagcagcc gttagccgag
120ccgtagccac cagagaagtc ggcacagtgc tagagatagg agcagagaac gatccaagag
180gaggtattga tgtgtcaatc agaggatatg gagctacctt aatgttttag agttgtttat
240gtttacttat gttacttatg tttatagcta cagattattg gtttgaatct ttcgcatacg
300gtgctatgtt cacatttatg tgcgggtgca caacattttt ctgtgattat atgggtaact
360atgactgaat atacttatga agccgagcac gacattgtaa ccaatatgtg tagaggttat
420tgctttt
427

<210> 2684<211> 468<212> DNA<213> Homo sapien

gcaacagaga tgtaccngnt tnnncgaaga tcccagcgat tcgttatttc gttgctgtcg
60ggaaaactgt aagaagttaa cccactctg attattccac cattgccaga gaagtttata
120gtaaaaggaa ttttgaacg ctttaacgan gacttcattg agacacgcag gaaggcttta
180cataaatttt tgaaccgaat tgctgatcat ccaactttta catttaatga agacttcaaa
240attttttctca ctgcacaagc ttgggaacte tcttctcaca agaagcaagg tcttggttg
300ctaagcagga tggggcaaac cgtcagagct gttgcgtcct caatgagagg agttaaaaac
360cgcccagagg agttcatgga aatgaataac tttattgaac tatttagcca gaaaataaat
420ttgatagata aaatatctca gagaatttat aaggaagaaa gggaatat
468

<210> 2685<211> 419<212> DNA<213> Homo sapien

ccttggagtt attttccacc aaatgtgaca aaattcaatt catttgcaat tcatggatca
60aaagataaac gaagttatga agctctttat cctgtacctc agcatgaact gcagcaagga
120caaaaacctg atttccattg cctagaatac ttcaagtctt tcaattttta cacactgctt
180ggagaagagt ggaacaacc ggaatcagac ctgtggctaa tagagaaatg tgatatatag
240gagtaataga taaccatacc gatcattttt tctctatac cttttaagat aaacaaaaaa
300taaatatcaa ttttttaaga tgtcatgcat acatttcaac aacaaatctc ttcatagaag
360tcaactgaaaa tatagtatct gtggcaaatt gtatatgatt aacaagaaaa tatatgatt
419

<210> 2686<211> 428<212> DNA<213> Homo sapien

ctcagaagag cttacggcat tggggatccc cttcttgagt cgtggggctg gcttcttcat
60ctgggttgac ttgagaaagt acctgtctca gggcaccttt gaggaggaaa tgctgctctg
120gcgcgcgttt ttggacaaca aggtgctgct gtcctttggc aaggccttcg agtgtaaaga
180gcctggttg tttcgctttg tcttctcaga ccaagtccac cggctttgcc tggggatgca
240gaggggtccag caggtgcttg caggcaaatc ccaagtggca gaagaccccc gtccctctca
300tagccaggag ccaagtgacc aacgcaggtg agctggctat tgtctcgtgg ccagagggcc
360cagcagccac tgtggacctg gggcgctctg gcgctgcaca agactgactg tggatgtgcc
420atttgcca
428

<210> 2687<211> 426<212> DNA<213> Homo sapien

cgttgctgtc gggatctctg aatacccatg cccctccac catggccagc cgggggtggg

60gccgggggtcg tggccggggc cagttgacct tcaacgcgga ggccgtgggc attgggaaag
120gggatgcttt gccccacccc accctgcagc cttctccact cttccctccc ttggagttcc
180gccagtagc tttgccctca ggcgaggaag gggaatatgt cctggcactg aagcaagagc
240tacgaggagc catgaggcag ctccctact tcatccggcc agctgtcccc aagagagatg
300tgagcgtta ttacagacaa tatcagatgt caggtccgat tgacaatgcc atcgattgga
360accctgattg gcggcgtcta ccccgggagc taaagatccg agtgcggaag ctacagaag
420aacgga

426

<210> 2688<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggtctaacc attttggtt acacagtctg accactagca caatgcctgg
60cacatagttt acaaatcatt taaggcaagc ttaccatctt aagacaattt aatacataga
120agtgtccctc ctaaaaatct gagtttgatt tagaaatcca gttatacctg caggtactga
180tgactaatc cttctttgaa gacaaaataa gcagctgtgt agcttcagt gctctcaaat
240ggataataga ttcatgttat actcgtttg aactttcctg tttttgatc agctagataa
300atgacttttg tgggtaaatg tctgcctcca aaaccaaatt ctgacctga tctaagtatt
360ctaactgcacc gctgtcactg gaatatcaaa gttggcg

397

<210> 2689<211> 391<212> DNA<213> Homo sapien

gtttaaaact ttgacaagt ggtagtccta ctgtttacac tcacagttaa tgttcatacc
60tagttttata agctgttctg taacatagtg tagcaaaaaa aaaagttcaa gtcattgtat
120acaggtgtgt caaaaggat cttggtcatt aagtattgtg cagtgcatta tttattatcc
180ctaggagaga tgaaatttga gagtgatca tgtcttttta aggaaactta cataatgctc
240tgcttttttt tttcttttgg acccatgggt attataataa aaagcatttt gtacctgagg
300ggccctaatt gaaaaaagt ctgctcaaag gaagtatgaa gttatatatt aaatttttta
360atttttaatt ttaattttt tgctgtgaag g

391

<210> 2690<211> 416<212> DNA<213> Homo sapien

ggcaccaggt gtgtgtgtgt gtgtgtgtgt gtgtataaaa ccaaaatgtg tgacacaata
60aatgctggca cagctctgat ttcttttaaa aagaaaatta aaataggagt tctggttcta
120attattagct attagctact tctgaaattc agaaagtacc ataattaggc taaagggtta
180tataatatgt agtgaatctt caatgtaata ccatatactc tgctattttt ctttttctaa
240ttagttgtgt tacattagta accaggccat gccaacacaa gtattccagt ccatgtgatg
300atattttctc atgtaaatta ataaactgaa attctaattg taaacatttt ttcataaatg
360tagttagaga cccctctgaa agacaaagca gcttttgcca tgctgaccaa attaga

416

<210> 2691<211> 412<212> DNA<213> Homo sapien

ggcacgaggg cttagagtaag atgataatat aggtgaggga ttgtaggat aagaaggaaa
60gaggagcagg ggaggaaaga accctgagga accaaatcat attaggagac gaggtgaaaa
120tggtactgag ggagtctgta ggaagcttag caggaaaatg gtgtataaga acttagggag
180gagagtttcc tgaaggaggg gcagtaattg cagtatcaaa tgctacagag aggagaggca
240tgatgagacc ttacaataag cctttcattg tatttgcctt ttgggggcca gtgagaaggg
300aaaactgagg gtggtggagg ctggaagcta gatcatgatg agctaaggag tgagttggag
360ttgagctatt tagactagt agagctttga tttaaatatt tggtagtcac gg

412

<210> 2692<211> 368<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagg aaaggtcagt cagcctgcac ttgcaatata
60agaatcagct tgctcctagt ctagtacaa tcttctcac tgggagatct gggctgcctt
120tctgagggca cactgcaaag gccaccttct catctccctc tggcctgcct gtcagctctc
180agagagctga atggggcctg ccaccaacag tctgttgtgc cttctgact gtgacacgaa
240tgactacca cgcaaagaag ggctccgtgt cagagcgct cctagctggc tctccgtctc
300gggtgtccca ccacgggaac ttgagaagaa gctgaacctc tcaaggcttc cgggtactgt
360cttttaaac

368

<210> 2693<211> 388<212> DNA<213> Homo sapien

gtgaaaagtg ctcactgtg aactctatag caaattatat tttagaaaat actttgtgag
60gccggggcatg gtggcagagc gagactccgt ctcanaaaaa aagaaaagaa aagaaaatat

120aaggatgtaa aagaagcaat ttgcttgac atctgaatat ccttcttggtg tctccatttt
180cactcttgaa aactgaaagc aatttgactt ttatttttgt ttttctaaag aacagctagg
240tgaaaggagg ttaagctgat tgtcactctg cctgcccact acctactccc caccatgggtg
300tttcatgaaa catccccacc acctgaagtg atcttttttaa tctttgtgat agtaaatgca
360ttgataatta acaggaaaaa catgtttt

388

<210> 2694<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg aacagcagaa gagaattatt ctacaataag
60aaatcaattg gtctctcaac tgagaatcac tagcaagaaa ctggtaaacc aaccaacaag
120tggtgtaaagg aaatgtgaaa ttatataact aaataaatac acacaaacac acacacacac
180acacacacac acacacgcac acacacaagc acacaccata gaatactact caaccacaca
240aaggaaggaa ataatagcat ttacatttgc agcaacctgg atggagttgg agatcattat
300tctaagttaa gtaactcagg agtggaaaac cacatctcgt atgttctcac ttataagtgg
360gagctaagct ataagga

377

<210> 2695<211> 380<212> DNA<213> Homo sapien

ggcacgagag acagtctccc cctcagatgc catgctccca ctgtaccacc atgtactgct
60tcttgagatc tctgcttctt tcaagtcgac cagctgacac ctgtttcctt cctaactcca
120actaattaat tccagctaat ggaattgact ggaattagt acattaatat ttactgagca
180ttccccatgt gtcacagag ctgtgctaaa tgctttacaa gaataattac ctgccataaa
240gcaacctat gacataggtg ctactatgcc cattttgtag atgagacagg ttcaggggag
300ttagtatcac cttcaagtca tacagtggct aacaatctgt ggtctcgctg aatgctgggc
360gacctgctctg ctaagtctac

380

<210> 2696<211> 399<212> DNA<213> Homo sapien

atcggcacga gattgattgc tgttgcgga acttgaggtt acttacagaa tgaagcacat
60tttttacata cagtacaaat gagtgtgtgc tttttaaatg gatttaaaat tcaaagtcaa
120atctgcagtt taatctccca agtgcgtgatt tttctatgta taaagtagga gagtgcacaa
180gcgtatcaca atgaggggct agggagaacg tgtatgtgac ctctagtacc tggcatgtaa
240cagacactca gtattacact cctgctatct ctccagagca ggtgaaacag acggccagga
300agcacacgaa gagacactca gcatcactgc ttgttaagga aggtgcaaat caaaaccaca
360gtgagacgcc acttcacacc tacaagttcg gctagatan

399

<210> 2697<211> 408<212> DNA<213> Homo sapien

cggtgctgct gctggagaag cagccttata cagttgattt tgtgtatgtg gctagtctta
60ttgtcactat gtaagtaact caatggtttt agaaactaaa ctttctagag caataaaatg
120actataatgt taagtaaacaa taatgttgat ttctaattat gttttaaaaa atgaagtctt
180gaattatatac aagaaattttt ggcagctgaa gtcattgtta ttttgaaagct gttagttttt
240tctataatt taaaaagatc ttttagattt atagaagagt cagaaatgta caagagagtt
300tttttgttgt tgtttttgtt ttttgagaca gagtctgtct ctgtcgccaa ggctggagtg
360cagtggcgca atcctggctc actgcagcct ctgcctctcg ggttcaag

408

<210> 2698<211> 406<212> DNA<213> Homo sapien

ggcacgaggg aagcattttac agttttaaat ttcccagtc gaataaattc ttattgaggg
60caatacctag cctgtcttca tcaaactcat aggtgaatct ttgtcaaacc tataggagag
120agatgcaggc catagagatg gtcttgctga aggtcttata gctaaattag ttcagatcca
180ggaaccagat tctggaactg attgcacctt tattatgttg tgtgtcagac actcccagga
240cctgttttgg aataattagg acagctgaca tacttgttgc taattttgag atctgggcaa
300caactgtgta ggctgttctt tcaacctctt tcttctact tctttacttt tcttcacag
360aggagaaaagc caccctggg gtatagccac cgctccaatt ctgact

406

<210> 2699<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggctc tcaaactaat caatcaaaca aacaaacaaa
60caaacaaaaa agacactttc tagaagagat agtaacgata tctacctcat gaattaaatt
120acttgggtgtg aattaagtgc ttactagga ttaccacatc attaactatt attagtaatc
180ttacagtcac tattatcaaa tatgtctcaa aattaatgca acctgtcagt ctagtacat

240caaaagtgcc acagtgtctt ttggaaatta aacaaaacaa ttgtttaa atgtgcata
300cattcagagt aattcttatt caagcaagct ggttttatat tcatgacaag ctttttcaat
360tttaatatgt ttgt

374

<210> 2700<211> 406<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagn nntttttttt tttttttttt
60tttttttttt tttttttttt gggccccccc cccctttttt ttttttttaa aagtecccc
120caaaaccccc cggggggggg ggggaaaaaa aacccccctt ttaaggggg gggggaaaaa
180aaaagttttt tgggaaaaaa aaaaaatttt ttttattttt gggggccccc ccccccccc
240ccgggggggg gggggggccc ccccccccc taaaaccccc cccccgtgg gtttttgggg
300ggcccccccc cgggggctta aaaagggggg gggggggggg ccccaaattt tcccaaaggg
360gggggcttat gggccccca tcccaaaat gtgggggccc gggggg

406

<210> 2701<211> 395<212> DNA<213> Homo sapien

ggcacgagat ggtctcaatc tcctgaactc atgatccacc tgcctcagcc tcccatagt
60ctgggattac aggcatttag aaggaccatg tgactaatct atatcatttt cttagagata
120aagctgagat ccaggaggct atgctaaaga gacataggta actgtggcca agctacagcc
180agattccatg ttttaagact ctcatgtcta tttttctggg tggggaaggg gaatgaaatt
240ataactttgc aactatcttc acttcttctt acctaccaa atagaaagta gttcacgttc
300acaggacagt ggtctcatgg acttgtttct tttttcttc aatgaaatc ctttaagaaa
360tctaaaaaca atgagcaca gatgctctgg ctcaa

395

<210> 2702<211> 394<212> DNA<213> Homo sapien

tcacaatcca atatctgtgg aattcattgt gtatgtttgt gtatttgtgt gtaggtgtgt
60atgtgtgtgt gtgatacata catcacatcac gtatcacaa acattgacct tatatattat
120gcactgtgat gtttttccgt ctttaatttt aaaaaacata ctgatacaca ccacaatttg
180gaaaatgttg ctccatacca tcccatacca aactcacca cctgcaata atagcattac
240taggagctgc agtcacaatg aataaatcaa caattcgcta caagatctag gattatttgt
300gtattttgtt gagagtgcga gcgcgttggc gtgtatctaa taccattgta tctcattgtt
360gagactttgt tacaatatag gtttctggtt tctt

394

<210> 2703<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggatt atcctactta ttatttatgt ttacctcct
60gtgtccaaca cacacacaca cacacacaca cacacacacc ccttagaatg
120ggggtcctta agagcaggga ctttatgggt cttatggagc aagactttat ggggtccctgc
180tcttatgcag ggctgttca cctgcacctc cagaacctgg aacagtgtta ggcacaaaat
240atctgattaa taaatttgcg ctgaaagaga gaatactcca aaaggttctc gtatgagtga
300agtgagatta ttatctataa agaattttgt ggaggcatgg caccataata gcaccacaca
360cacagtattt ccagta

376

<210> 2704<211> 407<212> DNA<213> Homo sapien

ggcacgaggc cagtggagct aaagagctga gatataattg taaatagagt taataggatt
60ttctgatgat gtgggtctgg ggtacagga agagggacaa tctactgcta ctgaattact
120ggtttaagta actaggtagc ctttattggg aaagactgag agggaactgg tttgtgggga
180aaaggactat gtttcaaggc atgttaagtt ttagatatct ttgagatatt caagtggaaa
240tgtcatataa gaactggaaa caaagttcag gactcagaag acaggtttaa aattaagagg
300caaattttag agttattagc atacagataa tatttcaaat taaaagtgtt ttttaataat
360aaatatctgt ataattatag aatcacaggg gattgcaaaa ataatac

407

<210> 2705<211> 389<212> DNA<213> Homo sapien

ctccagcctg ggtcaaaaa agaaaaataa attaagggcc cgttctttct caaagccttt
60gggggctcc gggggccctc agaaaacat aaaggggcct ttgaaaaact ggggctcct
120gggaaccttt ggaaaaaaa gtaagggtc ctttaaaggg gatcctgttt tgaaaaaatc
180gcccacttcg gggcccccc tttgaaaaag ggggcgtgg gtttctcta cagggtcca
240aaccaatttt ttttcccta agttttttt tgggcctcg catttaatat tccaccggg
300ttttccaagg cggggttaaa aaccaccaa acctgtccag ggccaggggc tccccctga

360atcccccaaaa ctttgggggg ctaaaacgg

389

<210> 2706<211> 376<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggcat ttagaatggg gaatattgtt gcagccaact
60ttgaaaaata gcttctgcca cagacactct ataagaagta ggttctgtga ggatgggatc
120ttcttatgga gtgttagtca tcaatggagt ggaagaatg cagtcaaact tgacacctga
180gactgtatag tagtgaggct gattccttaa aaatcacacc agaactcggc caggagtggg
240ggctctcacc tgtaacctta gcactttggg aggccaaagg ggcagattg cctgagctca
300ggagtctcag accagcctgg gcaacacggg gaaaccccg ctctactaaa atacaaaaaa
360aaaaaaaatt agccgg

376

<210> 2707<211> 375<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggat gtcaaatcct actttaata tgaaagtaat
60caggatcaga gaaattacat gccagaaatt cacaggattt ataggtagc caaaatagg
120cagaaatcta tacactccag accgagaata tatccgaag tcagcagttt atatgaggag
180tcaactggaa atcattgcaa gtaagaaga gctagattaa tcgctatcct taaagaataa
240actaggcaga aacattagaa cagctgcttt 'caaatgtttt cagaactagg tataatgggg
300gaaagaagct caggatattt agaggtaata ctctttttt attcctattc ttatttaaga
360gtaattaaca gcgag

375

<210> 2708<211> 413<212> DNA<213> Homo sapien

ctctacgtc tctattttgt ccccttttgg ctttccttac taactttaat ggccacaaca
60tttaggcgaa agggggggcaa tcattggtgg tttggcattc gcagagactt ctgtcagttt
120ctgcttgaaa ttttccatt ttaagagaa tatgggaaca ttcatatga tctccatcac
180gaagatagt aagatgctga agaaacatca gttccagaag ctccgaaat tgctccaata
240tttggaaga aggccagagt agttataacc cagagccctg ggaaatacgt tccccccct
300cccaagttaa atattgatat gccagattaa actcctagag aggaccagg cacacacaga
360ctccacttg ccttcgctc ttgttcattc atcccaaacc tggaaatgga aac

413

<210> 2709<211> 395<212> DNA<213> Homo sapien

ggcagagac gtcattggaa tgggtgtttt gttaagcat ttctggcttt ccatcatggt
60tcatactgaa agtactgtag atgctagcta acctctgccc ttttaagaa taaacctttt
120ttttaactt aagaactaaa gctgagattc tcctattctg ttgttgagg gcttcctgca
180tgcccgcca tttatcaca gcaatttgag aagttttctt ttgtgttct gacaacaagc
240atttggggag aaagccaggc ataaattagt tacgatagtt ggggtttaat gtttctccag
300tgaaaatttg gacttttctt tttcccttat agaatgcata attaaaacag actattattt
360tgaaatgaaa tattgaatat taacaaaaat aaat

395

<210> 2710<211> 383<212> DNA<213> Homo sapien

ggcagaggc ataagctgcc aaaccaagg gaggacagac gagtgccaca aaactgggtt
60cctatcttca atccagagag aagtgataaa ccaaatgcaa gtgatecttc agttcctttg
120aaaatcccct tgcaaggaa tgtgatacca agtgtgaccc gagtccttca gcagaccatg
180acaaaacaac aggttttctt gttggagagg tggaaacagc ggatgattct ggaactggga
240gaagatggct ttaagaata cacttcaaac gtctttttac aagggaaacg gttccacgaa
300gccttgaaa gcatacttct accccaggaa accttaaaag agagagatga aaatctcctc
360aagctcgtgtt acattgaaag tgt

383

<210> 2711<211> 386<212> DNA<213> Homo sapien

cggtgctgtc gggccactcc tccctccgct cactgtcac ttcgggtagc tgggaggcca
60ggtgaggggc gcgcacgggg gaggggcgtg catagttgag acagaaaccc ggaagaccca
120actgtggcgc ggcactgctt gaccgagggg ctccggagcc cagctgcacc ggctgcggtt
180tgagcgcacca gggccggggg gcgggggtgga ccgcggcggc ctttcgacca aaggtgcttg
240aagctcgagc ccattacttt ctgtggactc tgactcgagc tgcaaaagct tttctgcact
300ggttttctca tctatgttat gaagataata attccggccc taaccgtagt atgcttgcca
360gaatccaaca atatgatgtt tctgaa

386

<210> 2712<211> 382<212> DNA<213> Homo sapien

tagggaccag cgtagtcctt accctttttt ttcattgagac aagcgaagac cacagaggag
60gtgtggcttc atcaaaaacc cactgagaac gagtgttaga atcaggctag gacacattgg
120actcctcttc cagggtcttc tgacatccaa ggccctttga aatctctctc cactgcgaa
180cagatttcta gacttctgat ggaggtgatc tgagatgaac aggctctaaa agcagcctct
240gcgagcctct tagagcagcc gggacctgct ggagaacaga acatggccta tgagcgcaac
300agccaagtgt tcagcaccac ggacagcttc tctggcctat tgctggggag gccacaggtg
360gggaggctgg ttgtccaaca cg

382

<210> 2713<211> 409<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagc tttttttttt tttttttttg
60gggggggaaa ttttaaaatc aaaagggggg gggggggccac ctttttaatt gccggggcgg
120ggggcctctt attttattat tgcctgaaag gttgcttgaa cccaggtttt ccccatccc
180ttaggaggga tccccccctt cctgaaagg gggggggccca cccctaaagg gggggggggg
240gggggggaaac aaaaccttgt cgttgacgac cctgtgggtt ttcacctcac ttggggaacc
300ccataaaaagg ggccgggtta acaaaccctg gttaaaggac atttaagaat ggaaaagggg
360gttgggccaaa aaaaacccaa tttttctctc tgtggcgctc accccccc

409

<210> 2714<211> 408<212> DNA<213> Homo sapien

ggcacgagct gccctcgttc cgcgccattt aggacgactg ccaggctatc acggcccgc
60tggcccaaca gctgcgagc cgttttaggg agggcggtc atgcgccccg gacgaggcaa
120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtctc
180tggcgacgc ccgcggcggg ttggagaagg agctgagaaa cctggcctgg ccgagttgct
240ggccaatgtg gccagctcca tctgagcca cattaaggcc tctctggcag gagtgcacct
300tttcaccgcc aaagaggtgt ccttctccaa caagccctac tttcggggg agatctgcag
360tcagggtgtg cgtgagggcc tcatcgtggg ctctgtacac tctatgtg

408

<210> 2715<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcta aggtctgtat tgccagtagt actgaattga
60ggtctttaaatt tccacaagcg taattacaca actatgtgat aaactgcaat atttatccat
120tcattaaact gtaaaactctt tgcagtctca ccacagtttc tcttactagg atctagaaat
180atttcctatt gtaggtgggt tgcagtggct cagcctgta atcccaacac tttgggaggg
240tgagaagggt ggatcacgtg aggccaggag ttgagagca gcctgtacaa cgtgggtgaaa
300ccctgtctct actaaaaata aaaaaattgg ccagggtgtg taacacacac ctgtaatccc
360agctacctgg gggctga

377

<210> 2716<211> 388<212> DNA<213> Homo sapien

ggcacgaggg cacatgtag cgggtcagcg aaaagcccag tgctggaccg tgggacaaaa
60tgggaacaga gcagctagca ctgtggagat gagaaggggc tgagattaga ccgaggggag
120gagggagtag ctgacaggct tccacaagcg gaaggtcgag cgaaagaagg cagccattga
180ggagattaaag cagcggctga aagaggagca gaggaagctt cgggaggagc gccaccagga
240atacttgaag atgctggcag agagagaaga ggctctggag gaggcagatg agctggaccg
300gttggtgaca gcaaagcgg agtcggtgca gtatgaccac cccaaccaca cagtcaccgt
360gaccaccatc agtgacctgg acctctcg

388

<210> 2717<211> 396<212> DNA<213> Homo sapien

ggcacgaggg ggaactgggg tccggaggac gcccacgac tcttgccag ggctccctg
60atcatgctcc cgtggccact acccctggcc tctcggccc tcaccttgc ettcggggcc
120ctcacttccc tgttctctg gtactgtac cgctgggct cccaagacat gcaggcccta
180tgggctggga gccagctgg ggggtgttcgt ggtgggctg tgggatgctc ggaggccggc
240gggccaagcc cagggggtcc tggggatccc ggggaaggac ctaggacgga aggcctagt
300agcggcgggc ttcgggcta cgcaaggcgc tactcctggg ctgggatggg tagagtgagg
360cgggcagctc aggtgggccc acgcctggg agaggc

396

<210> 2718<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gagcgtgggc cgcagcacca ccagggccga ggtggacctc gtcgtgcagg

60gcctgaagca ggccgtggcg cagctggagg accaggccta gcaactggggc cgccttcccc
120accccgtttc tgggaagccc gtggcagggc acagggttgt cctccagtt cctcctgag
180ggctgtgcca ggatgactgt ctcatgcccc ctctgcattt tgcctggag tggcagcgag
240tgtgcacccc cagtttcttc cctggaacc ctgcagagct cacaggggcc aggacaccaa
300cgccgcatag gaccgcccac atgggaacgc ccacatggga ccgcccacat gggaccgccc
360acatgggacc gcccacatgg gaccgc

386

<210> 2719<211> 371<212> DNA<213> Homo sapien

cggctgcgag aagacgacag aaggggtcta gaagctgaat tagttgcact atccccgat
60cagaagggtta gtttaggcag gcattttccc cctggttttg gatctcttgg ccccaaagcc
120atgtctgagga caggtgcttc cctgcctagg ctacctctcc eggcctgtcc ctggctccct
180ccctgcccac cctgggtctc ctccctgccc cagggtagag gtggaatgag ggtatgagag
240aatagcctga gacacaggca agggcatggt tgggagggca gtccaggagg gtgggactga
300ctctgacctt gagtctgtat gtcctggttt tttcttctg acttcttctc aggaactgct
360gtgggttttt g

371

<210> 2720<211> 389<212> DNA<213> Homo sapien

tacggttgcy agaagacgac agaagggtca tgaagtcaact tacatagatg accacaggtt
60cccgcatggg atcttgacat ttagaatatt ctgttggaaa gtggaggcag gaccatagca
120gagggatgaa gtcataaggac aacgaaggcc tgttctcgac tacacagtgg ccaattcctg
180tttctgtggg agtgaccacc agccccaccg gctgggaggg agtaagtggg gatggtatcc
240agcagaagtt tcttgagaaa ccctggaggt gtcctgatat agccttgtgg acctgtctcg
300tgtgtgtgcc ctacctttg tgtgtgtgat tttgcatgtg tatgtgtgtg cctgtgtgag
360tgcacatgtg tgggtggcatg tgtgcatgg

389

<210> 2721<211> 404<212> DNA<213> Homo sapien

ggcacgaggg ttacagggct ccagatcagg gagggccttg tgacttgtga ctctgagtga
60gatgggaagt aactggggag gctgatgcca ccagagatgt tttaacaggt tccctctggc
120tgccgtgttg agaaaagact gcaaggggga aggggtggaag cgaggagagc agtttgaggg
180ccctttgcag gaatacaggg gagaccaggg ggtggcagtg ggaggggtgag aagtgtcag
240cccaggccca ccacagaacc acctctggca ctacaattcc tgtttgatgc aaggatggct
300gctttttctta cctgtcacc tgtgatgtga aatcatgcat ttagagcaac ttggtaaata
360ttaatttctc aacaaatatt agctattaat atcagtatta agcc

404

<210> 2722<211> 384<212> DNA<213> Homo sapien

ggcacgagag tacctgacag gttccacaa gcggaaggct gagcgaaaga aggcagccat
60tgaggagatt aagcagcggc tgaagagga gcagaggaag ctccgggagg agcgccacca
120ggaatacttg aagatgctgg cagagagaga agaggctctg gaggaggcag atgagctgga
180ccggttggtg acagcaaaga cggagtcggt gcagtatgac caccccaacc acacagtcac
240cgtgaccacc atcagtgacc tggacctctc gggggcccg ctgctcgggc tgacccacc
300tgagggaggg gctggagaca ggtctgagga ggaggcgtca tccacggaga aaccaacca
360agccttgccc aggaagtcca gaga

384

<210> 2723<211> 403<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagagt tagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga cccctctct ctctgagagt
120gtgtgtcact ctgagtctgt gtctctctgt gcgcgagaga ccccccccc cttctcttgt
180gagcgcgcgc tctctctata gagaggggcy cctcgaccc cccctccttt ttgtgtgtgc
240ggcgtgctct ctgcgcgggt gcgtctcttt ttgtgctaga gaccgcccctc tcttttccac
300acgcaccccc ctcttttttt tgtgccccac cctctctctc gtgtggggtg tctctctctc
360tcccgcgagg ggtgtctttt tttctctctc aggtctctctc tgt

403

<210> 2724<211> 397<212> DNA<213> Homo sapien

gaggatcaaa gtctggtgta gaaataacag cgggtgaagag tttgactgtg ctttccgct
60ggcacaggag ggattatatt cattgtatcc atttattaac tcattaatta ttactgtatc
120aatggaagat gatttgatac tgttcaccca ggaaaatccc ttttttagaa aactcagcag

180taagacctac agatcagcaa aggacctgac aaagggaacc atcgtgctga agtatgaacc
240agattctgtc aatccagacg ctctgcagag tcccatcgtc ttatgcggat ggcgatgaaa
300ggcctccatt ccaacttttg tgccctagaa tgaacggctt cattatctca agatgatgga
360gctggaggta ttgggagaaa agaacaatga aggagtg
397

<210> 2725<211> 392<212> DNA<213> Homo sapien

ggcacgagggc tgccacagcc cctccaagca gcagcaagcc aggccctcca ccacagagca
60agcccaactc ctctttccga ccgcccagaa aagacaaccc cccaagcctg gtggccaagg
120cccagtcctt gccctcggac cagccggtgg ggaccttcag ccctctgacc acttcggata
180ccagcagccc ccagaagtcc ctccgcacag ccctggccac aggccagctt ccaggccggt
240cttccccagc gggatccccc cgcacctggc acgcccagat cagcaccagc aacctgtacc
300tgccccagga cccacagggt gccaaagggtg ccctggctgg tgaggacaca ggtgttgtga
360cacatgagca gttcaaggct gcgctcagca tg
392

<210> 2726<211> 402<212> DNA<213> Homo sapien

ggcacgagggg ttactccag gtgaccaggt ggcctgtagg aaaccaaggg ctgctatatg
60accggagctg gatggttgtg aatcacaaatg gtgtttgcct gattcagaag caggaacccc
120ggctctgcct gatccagccc ttcctcgact tcgcccagaa gatcatgggt atcaaagcca
180aagggatgga gcctatagag gtgctcttg aggaaaatag tgaacggact cagattcgcc
240aaagcagggt ctgtgtgac agagtaagta cttatgattg tggagaaaaa atttcaagct
300gggtgtcaac attttttggc cgtccttgc atttgatcaa acaaagttca aactctcaa
360ggaatgcaaa gaagaaacat ggaaaagatc aacttctgg ag
402

<210> 2727<211> 411<212> DNA<213> Homo sapien

ggcacgagag ccaatgaggg ttttgctgt cagcagtggc cccattccat tcagctttac
60agcaaggctg tgacaggggc ccctcacaat gccatgcttt atggaaaccg agcagcagcc
120tacatgaagc gcaagtggga tggtagccac tatgatgcc tgagggactg cctcaaggcc
180atctccctaa acccatgcca cctgaaggca cactttcgcc tggcccgtg cctctttgag
240ctcaagtatg tggctgaagc cctggagtgc ctggacgact tcaaaggga atttccggag
300caggcccaca gcagcgcttg tgatgcattg ggccgcgaca tcacagctgc cctcttctct
360aaaaatgatg gtggtgagtg ggcactgagg agggggtgct gttactctt c
411

<210> 2728<211> 402<212> DNA<213> Homo sapien

ggcacgagat gggcaccata accaggaggt gggctactgc cagggaatga attttatagc
60aggatatctg attcttataa caaataatga agaagaatct ttttggtgt tagatgctct
120tgttggaaga atactaccag attactacag cccggccatg ctgggctga agaccgacca
180ggaggtcctc ggggagctgg tgcgggcgaa gctgccggct gtgggggccc tgatggagcg
240tctcggtgtg ctgtggacgc tgctgggtgc ccgctggtt atctgcctgt ttgtggacat
300cttggccgtg gagacagtgc ttcggatctg ggactgtttg tttaacgaaa gctcgaagat
360tatcttccgg gtggccctga ccttaattaa gcagaccag gg
402

<210> 2729<211> 359<212> DNA<213> Homo sapien

tacggctgcg agaagaccac agaagggtaa gcacatatt agaaagctct gaatttccat
60gtgataagtt ttaggctaa aggggcaaat gctttaggaa aatttcgtag caatatgttt
120ggtgtttaaa gtagggaagg tctgagttag agattgcagc taaaagctgt ttattactaa
180agtgaaggcc agttatcagg aggatctgaa cagggaagga aaatgggctg aaatcacaag
240tttgagttga cagctgaatg tttctaggga gtcaaatac ctaggattc acattgagtt
300aatgggaggt ggcaagttag ttgatagtag tgaggacaga gagacagtca aagaaaggt
359

<210> 2730<211> 347<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaagggtt ttgtttttt aattctaaaa aaaaacaaat
60gttaggcca acagatccct agatccact cattgattct ggcggtatt cttaaagtgt
120gcttaggggg tcagaatttt ctggatcttt gctaatacaa gcttttagatt taatttaacc
180aggaccacat gcttgcac tctctgatgc aaattttcaa aatcatttta atttagattc
240taatgtctgc ctgggtttt aacaggctgt gaaccagtga gtgccttgtt aatgtagaat
300gatttttccc ccctgggtgg gtggtagtta gctcctctct gaaaatg

347

<210> 2731<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag attaatgtgg tttttcagga aaggacttag
60gtgaactgag gtttttacca caggcagtga atgaccttgg ttcaccaaatt ttgcctctgt
120tttgaggggc ttggtccaga gtgacttgtt aatttactct aacttccttg tgtgttgatg
180ggtaagtaca ctcaaacact gaatacaggt gtgtgatggg tagatttcac agcccttcta
240ctaatagtga gtgtgaaggc aagcttgatg caaacctcc tgaccttcc tacctgaaga
300gccctttgac ttctaggaag aaaggtcaaa aatgttatct tt

342

<210> 2732<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtt gaataataaa aatttaaccc attgttgtga
60aggagcctca gaatttttg atgttaacaa aagagttctg tatttacaaa gttggagaaa
120cactcatcaa gagttaggag taaggcccag tgtgggggtc cctctggtaa taccagcatt
180ttgggaggct gaggtgggag aatcacttga ggtcaggagt ttgagaccag cctggccaac
240atagcgaagc cccatctcta ctaaaaatac aaaaattagc cagctgttgt ggtacgcacc
300tgtaatccca gctacttggg aggctaaggg aggag

335

<210> 2733<211> 345<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtc attgactata gtgctgccaa gtaaaaatat
60cttgggaact cttctactag aatggccttc agggcttggc atgttccttt ggtttaccct
120tagagatgag aaatcctcct cttttgagga tggatttaag ttctggaaat aatctcaagt
180gcttgatagc acagctggat gaaaaaagat ggcaattaag gtaagttaca ccatttttgt
240ttctaaaaaa tcctaagaa atttcttggg atgagtcctt ggctcagag cctctcaag
300tgctcacttc aaggggggat catcctcatt agcacacaga ttttn

345

<210> 2734<211> 336<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggtgt gaccttgggc aagtgacttc atttttctaa
60gtctgttttg tcttttatga aatgaggata ataatagcac taacctcatg gtcattggga
120ggattgagat aatgctaaaa gcatccttag cacagggtct ggtaatttaa taaaggttta
180ataaatatta ccatatgatt cttattactg tgaacagtta agaaatagta aagtataca
240taatgggtga gtacgaggca tgagaacaca ggccaacgtg atgaattgcc ccatgaatg
300tgctgtgtat aacctctcc aggccagggtg tcatgn

336

<210> 2735<211> 356<212> DNA<213> Homo sapien

ttatcggtg ccagaagacc acagatgttc ttctccactg gcagctgaaa agtctttgca
60aagatccttg accctgggt cttccctatg atttgccaca taacacagga cagcacccat
120agacctacac aacaaaaatgt acagttttcc ccccttatcc atgggggata tgttccaaga
180ccccagtgat atgcctggaa gtgtggatag tactgaaccc tagatatgca gtgtctggat
240agaaggaaga ggataagagt aaaaggggga ataaagaatg tgggaaggcac agagtacaga
300gagtaaatga agggaaaaga agcaagtgga tatgatggag ggtggtaaaa ggaaaa

356

<210> 2736<211> 351<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggagg gtggggggag ctcaggctcct aaatgtgagc
60ctcatcacag ttcttgtctt cagcagccca cccaaagccc tccttactg cctgtcacca
120ttttcatacc ctctagagtc acttatcaca aaagtaacaa tcacaatcct tggaaagggtg
180tcactatacc ttaataaata agcaggata catgtgtgga tttgtacatc ccaagagggtg
240ggactgatga gagacagcag caccctatc cccacaatc aatgaacaaa cctggtaaat
300actctctcca tccctgtgc ccttcagctc aaatattgtg actctctttt n

351

<210> 2737<211> 344<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaaggagg agaagataaa cagttacaag agccccagtc
60gcatgaaaaa aaagtccaga atgctctgct cagaggagac ccaattttct gaatactgag
120ccctgaggaa tttcaccact gggtttccca taaatgagac cccctgtgac ctggtgggcc
180ccatccctcg gaagtgtacc ctggcatttc cataggactg cttccttctg ggcctcttag
240tgcaagccag cagtgcaatg ccacatccaa gtttggtaaa tcaattctaa gtgagataaa
300ttaatgcctt ttttggggga agatgggaaa cagagtgggt ttgt

344

<210> 2738<211> 353<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggc tgggtctcgaa ctctgacct caagtgatct
60gcctgccttg gcctcacttc tttatttttaa accatctcat ccaaccttac aaaatacttt
120caattcagtg accgcagcag tcccttcaat gctgcatgag cctgggtgcat gagcctgtaa
180ctgtttttccc tctctaaaga gcagtgtccg tttcttcttc atcctagagt ctctgttgcc
240tagcacagtg tggctaatag aggtgctcaa gaaacatttg ttgagtgaat tgcgtaaata
300gttataatca catctgaatt aataaataac ttaaaatgcc actgccgagc ttg

353

<210> 2739<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg tgtattatc tcatatgtat tacacaaata
60tacatattct acaaacacaaa aaccctaaca gccaccaagt aatggggac ctgttaacta
120actgctcaac cctaaagaaa tcttcaaac caagtatcca ctaaggctgg attcaacaaa
180tggttttttagg gccacagtaa atatttcagg ttggcaggc catatagtca caattactaa
240attctgccat cacagcagca aaagcagcca cagacaatac ataaacacaaa aaacaaacgg
300gtgtgctgcc tgtgttccag taaaacttta tttatggaca tt

342

<210> 2740<211> 336<212> DNA<213> Homo sapien

ttatggctgc gagaagacga cagaagggat cagctttctt agttcaggcc acctgcaacc
60tcttcttagt agcaatcaca cccccagcag cctggaacta gattattctg ccaaagcaga
120aacctgtca ctctactcac ctatataatg attttctgtg aacttaggta tgaagttgaa
180aatcctcaac ttgtcataca aggtcttcta tgtgtctct gctttagtgg ccaccaatct
240accaccccat tcaactctcc actcccaacc ctacacatgc acacctctt cacattcaat
300ttcttctct tttctctct cgcctcagca atactg

336

<210> 2741<211> 341<212> DNA<213> Homo sapien

tacgtctgcg agaagacgac agaagggtg tgtgctgtac aaaggaatgc agagatatc
60gtccgatgca gctttcatct tttgggactt ggttgggcca ttacttctga ctttctcac
120tcgtctctct cttgccacc ccgcccggtg tgcaccata aatctggtgt gcaccacag
180atcctatgcc gctctgcat ccgagtgtcc tgcagctgtg tccagtgtgt gacacactat
240cctggcagtg tgcaggccca tgttgacag gccctgccc cttccttggc accttgtatg
300ctttcagtaa gcatttctg gacaaaggca gaaagggtg t

341

<210> 2742<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg aggtggtggt cctaggctgg gatggggat
60ggtgcagtta cttgtattga caaagcttag gttgtggata ttagatggg agatggagga
120ggaagaatca caggccaact gaatgtggag tcagaccacg gtgttcagt gatctttgt
180gtgcatgttg aaattgccac aagtatgat ggaagtagtt agtgggtgtg gaaaggacag
240tgaggggata caggaattaa atcttgaagg aatgcttctg gataatgagt ttaatccaa
300aactcattgg actaaatgaa tttgttccat cgcttcaaag

340

<210> 2743<211> 420<212> DNA<213> Homo sapien

ggcagcaggc ggacggtggg caccggccc ggcgccacca cctcgtcac aatctggcca
60cttgggaaga aaacgtctat ttttttcccc ttctctgcat cacttttttg gttttgttc
120tttttattct tttattttt aaacctatga tcttttttc tgtgtccaag tgactgtgtt
180gcaggcggcc cggctctggc agggactggg ggggacgccc ggagcggccc agggccctgc
240cccgcgggce tcagcctccc atgcgtctgc gcttgccctgt gtccgggct tgtctgtgaa
300gtgggcgtga agatcgttgc cacttccaa cctacctcac aggggtgttg tggggacacc
360atgatctctg gattgttcat gtcgtcgtgc tgcgcccga gccaccgcc tccggagact

420

<210> 2744<211> 438<212> DNA<213> Homo sapien

tgcaggatac catcgagctg gttgtttggg cctaagcggc ctacggctgc gagaagacga
60cagaagggtc tgggtggttg aataggtaat cagacacaaa ctaaatgaat ttaattgtt
120atgaatatag actcactaaa tcagttagaa cctgtgtaga cacaaatcaa gattttgtct
180aaggatggtg aaaatacata tctgggcctg tggctgctg aaagttaaat gagagttaca
240tatttttaaat actgaataac ttttgaaacc agcacgacac tacaactacc attattacta

300atagctaact ttcaccgagt acttacttga gccaacattg atctaaaccc ttacattga
360tctgagccca ttaccagc agatgcaaac aggatcagag aaagcacaag gtcattcttc
420ctccctaggt caactgaa

438

<210> 2745<211> 420<212> DNA<213> Homo sapien

ggcagcagca gaaatgaaac tgtcaaaaca tcatcagta caaggaagg acacagggt
60tagaatgtcc acagtcttgg cagtggactt ggcagttctc ccagtaagca gaagtacttg
120agcttaattc tgaacttcaa agtaatat tttacttaatt ttaggaggtt ttcatttaca
180tattgaaaaa tgccttgact gtattcacat aaatggtgt aaaacattgt accccttata
240agaactgcag caatccacag taatgttggg tacttctgag ttttgataa aggaacaaag
300tcaaaatgaa tgtatttaaat aagcttcttt ctcatttcca ttgtttttat aaaaatattt
360tgggtattgtt gctgtcattt tagccattc taactttttg tattatgaat ttggagagga
420

<210> 2746<211> 424<212> DNA<213> Homo sapien

tgatcgcatg aaccaccgg cttgctcgt tggctttttg gccgaaacgg cctacggctg
60ccagaagacg acagaagggg cttctccagc acccagtgtc taatctcctt ggcttggat
120acgaggcctc cggactggga cctgtctgt tctgcagcac ctggtgtcta agtgcctcct
180cttgatgtc tgcctctcag tcacaaggag ctgctcatct ctcctgagg acacacgtgc
240acaaacacac acacatgcac acacaagtgc acacacagag aggagcgtgc tcttctactc
300cttctccttg cagtccttgg aatgcacat ctgtcctaaa ccaaaggccc acccctccc
360tgaagtcac cctggtctca ccaatcacag gtccgatatg caaaaacaca gatataactt
420agag

424

<210> 2747<211> 343<212> DNA<213> Homo sapien

tacggctgcc agaagacgac agaagggcac tgaatgaact ttaattgggg ttgttaaaag
60acagaattaa cgaagtctaa tttttataat gaaataagtt tttgatattg ctctacttgg
120acgatttttag tgacaaaac tatggataaa actgcctaag cataacatta atatatttag
180aatggcattc ttcagtgtca gtattgaaa ttggaattag tacattgtgc attcttagta
240ggctttatcc ctagaatcaa ttctctcagc atcaccaaac tgaattgggtg aaatagtgtc
300aagattctgg gcaataggaa gattagtga tatgatacat tgg

343

<210> 2748<211> 337<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtca tcatatttta tacgttgatt ctgaactata
60gaaaaataat aaatgggatt ttaattatag ctcttagttg ggaaagaaat atagagagat
120gtgggatttg aatgcccatg aaagacattt tattttactt gaatatattc ttgcttact
180ttaccctcca taatatgttg tacattagtg ctgatcaagt ttacagagtt acattttgct
240ttcctaacca ttcagtcagg aattaaaata tggcattgta taacaactgg gaagaagctc
300atagtggata taaattagag tagataatgg gtcacct

337

<210> 2749<211> 406<212> DNA<213> Homo sapien

ggcagcagga gagagagaac tagtctcag agcagnnntt tttttttttt tttttttggg
60ggggaagggc ttttttttga aaattggggg aaaaattttc cgggcccccc gggaaaaaac
120ctggtcccc ggggaaaacc ttttaccaca aaggttttaa ccgtgggcaa ttaaccgaa
180cctaaaaattt tgggaacata aattgggtgg gggcccaaag gaagggaaaa aaaaatttc
240tttctttttt tcccccttt ttttttaaaa aaaaccccc cccccctt aatattttt
300ttaggggcg ctttttttt cggggccttt gaaaaacggc ttttttttt ctttcccc
360cggaccaggg aaaaaggggc ccttctgaa aatttaggga aaattg

406

<210> 2750<211> 371<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg gttagctatt actgctctc ctctgactg
60ctgtcatttg ttgagcatct gttgcactaa gtgctttcta tattcagtaa tcttttttaa
120caaccctcaa cctgaaaga cagttaactt gttaggtgca ctgttacttt atggattagt
180ttatgatttg gttcattaag cctttattaa gcaattgcta accgccaggc atctggatag
240ttgactaagc agcaggtata aaagttaaac gaagtatagt ccttacagtg ttttagaaga
300gattatagtc tcatagactc gggtaggtta agcaaattac tagtcacaca gctaataaga
360gacagctgag g

371

<210> 2751<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag actttgctac ttagtacaca aacgggggttc
60cctttttaaatt ttgttcactc tagtttagcat ttgcagaagc tgtgaaaaat tacagagaga
120tgatgtgttg ggtaagagat ggtttaaaag tccagcttgc tgtttttcat taagtgtctt
180gaaaatgagt aagtggcgtt cctggagggg aacaatcata taattccgca ggggtgggtct
240aaacttgttt tctgatagtg ttagcagct catggctctg agggcacctg ataacacagc
300agccaggcgc tgatgagaag tgtgtgccag acagaccgcn

340

<210> 2752<211> 397<212> DNA<213> Homo sapien

ggcagcagcg agaagtcacc ttctccaga tcaactctgta gactcagtgg actcaatata
60gtggcagcag gattttaata taaactggca gactgattct aaaatttaca tagaggccag
120ccgtggtggc tcacacataa tcgcagcact ttcggaggcc actgcaggaa gatcacttga
180gcccagaagt taaagaccag cctgggcgac agacacttcg tggcttattt ttttttaatt
240attaaaaacg aaatttaaac caggtgtagt ggctcaccct tgaatctca gcactttgga
300atgctgaggt gggcagatca cctgaggtca ggagttcgag accagcctgg ctaacatggc
360gaaaccccg tctactaat aataccaaaa aaaaaaa

397

<210> 2753<211> 350<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaaggc cagctgcatg cctctctgcc tctctgtct
60gcccacctcc tctgacgtg tgctactctg ctctgtgact gctcctcatg cagctcgag
120ccatgtttcc tctctgcttc ttgatttgc ttagctcctt ctagtgcctt gaaactgaag
180ctggcctgta gttgggatca aagatggagg gagaggggag attgtactat ggatagtgt
240gggcaagaag tgaattctta cactggaatg ataaaaggaa cctgcttctt gagtttctta
300aaattgtgtc tggaaactcag atttgcactg cctagtatag tagctgtctg

350

<210> 2754<211> 381<212> DNA<213> Homo sapien

cgttgctgtc gatttatata tattatacaa aatattattt gcatttaaca tattctgaac
60caatagtctt ttctacaagc agaacattaa tattcttgtc actctgaatg taggcacaga
120tttttgcacat cttttatctt ttttgtgtgt gtgtgacaga gtctcactgt caccaggctg
180gagtgcagtg gcgtgatctc ggctcactgc aacctctgcc tcccaggctc aggcgattct
240cttgctcctcg ctttttgagt ggctgggggt gcaggcgct gccatcacgc ccggctcatt
300tttgtatttt tggtagagat ggggttttac cgtgttggtc aggctggtcc tgaactcttg
360accttgtggc ctgcccact n

381

<210> 2755<211> 388<212> DNA<213> Homo sapien

tacggctgca agaagacgac agaagggata caatcagcta gaaattacac ttatgccatc
60tcctaaaaaa taccatgcag gattttgtga atgaattact ggaaatccat ctaaatgtct
120ggaagacaat tctaaatgca taactttctc atggctctaa gttgtgctgt tcaactatgg
180aaccattatc cacatgtggc tgtttgtgtt aattttttac attaatata actcaattac
240actagccacg tatcaactgt taaataataa ccacatgtgg ctagtgccta ttacactgaa
300cagcataaat agagaatatt tccatcttca tagaaagctc tcttagaagc atttgtctaa
360aatgtcatct tcatgtatga taaatagn

388

<210> 2756<211> 368<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg agagactttg cattcctctc tccccagca
60ttgaacatag aagctctgta atgtagagc catgaaattg accaatctg gattgatgat
120aaagacagct gcctgaaaaa gtccctgatc taagcatgaa tgaaagataa actttatgtc
180ttaaattatt aagattttgt ctttgaataa gaagcattag cctatcctat cctgactgat
240atgaagccat ttacagcttt taggtagaca tgtaacaagg tcagatttgc atttttaact
300atcacttttag ctgtagcatg gagaatggat gagagggata tgaagtcggt aggtgttcna
360ctacctcc

368

<210> 2757<211> 369<212> DNA<213> Homo sapien

cgattcgaat tccgttgcgt tcgagagccc ttctccctt tccacatggg aagcactgag
60cccaatttct tctcacccca cagatggctc ctacagagcag agatgtctaa tgaaagggtc

120agattcagat cactaacttt ccatcttcca ctttttccag tgggtggccat gttcccccg
180ttgccttcac aaaaaccttg tgaataatac aagccatatg gactctgatt tacagtttag
240aagatgagca gaggtgggtg tgagttgccc agtcattgtg ctagtgttg aagaaactag
300gattgtctc aggtcttggg ctcttgccc atagaccagt ggctctgtgt tctgatggg
360tattgggga

369

<210> 2758<211> 405<212> DNA<213> Homo sapien

ggcacgaggc cacttgtaaa agctgaactc tagtctgtgt cctccattct gcccccgccc
60ttcctccctt tatttgtaa atgaagcaac atagtgaac gtcgtctcta caaaaaaaaa
120gaaaaaaaaa aattagccag gcatgcgaaa cgctgagggg ggaggatcaa atgagcttgg
180gaggttgagg ctgcagtga ccttggcat gccactactg cgttctagtc tgggcaacag
240agtgaagacct tctctcaaaa aaaaaaccca aaattgtaaa attacttcta tagctatatt
300ttatgataaa aaagggatgg tttctcaaaa tcgcatttta aagacgtttt atggaacttg
360ttggaatggg gacttaggag ttttgatttt gataaaaaac tggaa

405

<210> 2759<211> 399<212> DNA<213> Homo sapien

ggcacgagat ttgcatgt tgctggggt ggtcctcgag ctctgagct caagcgatct
60gcctgccttg gctcccaaa gtgctgggat tacaggcgtg agacacacca tgcctgctt
120ctcaatacac tattaatac atcagacctt ttggtacctc taggcagagg accgcaatta
180atttatgagc agctgttgc gtatacatgt aattatgtt gactacaaat gcatctttac
240aaaatgggccc tagtggaatc ataataaaa tggttcagat taacttaatt cagattaaga
300aaattgtttc atactgaggt aagcgattga aaaattgtct atttaaaaat gcagtgcatt
360ttaaagagtt actatttgag gatctaaaat atacagaga

399

<210> 2760<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaatacgac agaagggtaa ggtgctggga tatggctgag aacaaaacaa
60agtcccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggatca
120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactgggttt
300gtttaagact ctgtaattt ggttttcttt acttacagct gaatgaattc ctgagaccgt
360gtgtaggaag gtgca

375

<210> 2761<211> 374<212> DNA<213> Homo sapien

ggcacgaggg cagaggttg agtgagccat gattgcaccc ctgcactcca gctgggcaa
60ccaagtgaga ctgcgtcttt taaaaaaaaa aaaaaaaagggg caaaagtgtg
120ggggggggcc cccaattttt taatttttta aaaagtgttg gcccgggggg gggggcaaat
180ccctgaaacc cccccctttt ggaagcccag ggggggggga cccccgggg cggggatttc
240aaacccaccc tggccaccgg gaaaaaaccc ccccttttat aaaaaaaca aattaacccc
300gcctaagggg gctcccttg tatccccct tctccggggg gggggggagg gaaaacctt
360taacctgggg gggg

374

<210> 2762<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggacc tcattacagg agtaggagtc catttcatac
60aaccttggat tgtgtggcat cagcagctc aacactgaac cagttgtcag ggaggggtga
120aactgacccc ttcaatgcaa actatctatg caaactgacc cttcaaagg ccattgtgag
180caggattatc cagatgttag ctgccacctt cagggaattg ctgttctagc ttgctttgc
240tcaactggctc tgtgccacat gatgagcctg cactttcagc tcagctgctt tgtgctgctt
300ttactgagtt tggctgagac tctttgagag aattctctga cctaggtcag taatttagat
360aatattttgt tagtt

375

<210> 2763<211> 398<212> DNA<213> Homo sapien

cagaagcctg gattcaattt tcattcctga taaattgtac gaactttggg cataaatatt
60tcaacttcag cctctcttc tctgaagtag gatttatagg acctttgcta tcttgaatta
120cagtgatatt tacttagaat gggttaattc catttaaaac ttttttttg ctgctcaggg
180aaaagtgact tgataacaca cagagtgaac cctcatgttt gcaaatcca ggggcatgc

240ctagtgcactg cataatacga ggggctggag ccctgatccc tgcataagg catgtaacag
300cctgcacccc tagatttcag ggataactct ctgaagcctg gaaagggctca gtattccaca
360ggctgcgccc tctcatgctg tccattttga gtaacccg

398

<210> 2764<211> 376<212> DNA<213> Homo sapien

tctacggttg cgagaagacg acagaagggg tttttaaaatt gttacaaaaa aatcaactaa
60attgttcaca tgagaacatg tcctggcaca aaaagaaga gaaaataaga gaaaacaact
120aaattgttgt taatgttaga taaataagag gcacttattg attcaaccac agttttctgg
180agatcaactt taatttttgt ttgtactttg gtggtagctt ttttcattgg aaagaaatcc
240aaaattaaaa ttacattgtt aactaaatct tacttttttg tgtgaatttt tgaattaat
300tttcataaga cactcttgtc tttgagtaag tttcttgttt gtaaacaaca caacacaatt
360tatcactatg aatgaa

376

<210> 2765<211> 383<212> DNA<213> Homo sapien

ggcacgagta tttattgaat tcttatttaa aacaaacaga aacataaggg gcaaggggca
60gggagaggaa agcctggcgc ctacaaacat gaaataacgt aagatgtaa acattgattc
120atatacaaat ggtaaatcc aagtgtcttg ctactaacta tggggcacct taaacattgt
180tcggcaagaa gaatctcata gtgtgataac ttaatgcttt aagtttaa atatttcata
240agttttacca atctgatgtg ttattttcta tagatttcca gcacctatct agagagcaat
300tggcctatac cgctgagtcg ttattatgtt ggtgctaact tttgttgact agcatttgc
360gcaagaggca ttctgggaag agc

383

<210> 2766<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa tcataaggat attcttattg tgaataccct
60gtagcagggt aatctggact caaatcaggt tgcccatggt tcccaaatc acttcattac
120tttcccaacc acttccccct taacttgctt tccccgaac cgtagcaaat agtaatgcat
180gacaagctga taggaggga aacatgacaa gtgaggttga gttagaaagg aaaagcaggg
240ctatgaggaa ctgaataaga gatcagattt gtatttttcc tttggagtct tgagaattgt
300aatatttgaa acccttgga gaaaataaaa tcataaccaa gtgactcaga anaaacatac
360taatgctaac tgt

373

<210> 2767<211> 379<212> DNA<213> Homo sapien

cggtgctgtc ggaggaggag gttgattatg atgatgatga ggaccagggg tcagccacac
60tctctcagac tctcagccc cagagagtat cagggtttt tccccgtcct catggacccc
120accactgcc catgactgct actccccgaa agcttccaga gggtagaggt gcaccacttg
180agcttctctgc cctctctgca ctgccccca aatcttcta cattaagcag gaacccttcg
240agcctaagga ggagatatca ggaagcggaa ctcagcctgg aggagcaaag gaggaacca
300aagtgttttc tggaggggac actgaaggga atggggagct aggggttctg ttgccttcag
360ggccagggcc aacatctgg

379

<210> 2768<211> 338<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg gctgtgaatc agccatgatg ctgagtgcta
60caagagagga ctgtgcggct gggagggtt ataacaggat ttaacctagt tagggaagat
120ctgaggaggt gatgaaagaa tggaaatcaa tatgtaagag ctcacaagtc agagtgaat
180gttttcttct atactgcctg cttctaata gcatccactt cattgaacca cctcttcatt
240gagccaaacc taccatacag ggatacatc tctggaggaa agttgagcaa ctattgcatt
300tgggacatta aagtatgggt gggctgacag gtatgtgn

338

<210> 2769<211> 390<212> DNA<213> Homo sapien

ggcacgaggg caggcagatc acttgagccc agaagttgag accagcctgg gcaacatggt
60gaaacctcat ctctacaaa aatacaaaaa ttagccagac atgatggtgt gtgcctgtgg
120tcttagctac tagggaggca gaggtgggag gatcacttga gcccaggagg tcgaggctgc
180agtgaactgt gatcgagcca ctgtactcca gcctgggtga cagagcgaga ccctgtctta
240aaaaaaacca ccaacaggga aaggccagga cgacgaggag aagttggtat ctttttgta
300gctccagagt ttgtgctggt gaaagaaggt taggatgtan aaaagggtt tagagacata
360cagtggctgc tcttcagtat tcttcaagg

390

<210> 2770<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggagg agttgggtga ttgacattgt tgagctctgc
60aggaaatctg ttagtctcca ttccggagg tcttgcctatg tagaaaaatt ggatgacttt
120attgcttaag tcactataag aatgttttct gttacctgca acccaatgca cccaactaatt
180aaagtatgtt tctagaaata cacttgccctg cactcatttt ttaagacaca cagaccacat
240acacatggag agatattttt aaaggctctg tactacataa attgtactat tttttaattt
300aaaaatatgg gccaggtgca gtggctcaca cctgtaatcc tagcactttg ggaggccaag
360gcaggtggat cacaa

375

<210> 2771<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaggggtca ggagtttgag accaacctgg gcaacatggg
60gaaaccctgt ctctattaaa catacaaaaa aaattagcca ggcattggtg cacacctgta
120atcccagcta ctgggagggtg gaggttgtag tgagccgaga tcatgccact gcactccagc
180ctgggcgaca gagcaagact ctgtcacaaa aaatattctt cccagttttc atcatcatgg
240ctacaagtta ccaagggtcat ttgtttattt ggtcatttcc ttgagggcga gaggccaat
300tgccttggtt ttgtaccagc gccaaccttc tgatgtttgt tgaattaatg aacaccatt
360tttcagatca ggaaagggg

379

<210> 2772<211> 330<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa gtatataaca aaaattgtat atatcaacac
60aatttaaatt tcaaaataag aatgttgaat ttttaaaaag caagttgcyg aggtaataca
120aatgtatgac acaacttata tatagttaa acataatata acaagagcaa atagtaaatt
180atgaatttga atgcataatgt gtggagagtgt tgggggtgag tgtggatgtg ggggggatgt
240nnnnnnntnn tgnnnngntg tgtntntann ngtnntttt tttcttttt ttgnntttt
300ggggtggtta tgtgtgcagg ggtttggtt

330

<210> 2773<211> 348<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcat acagttggga aaggaagaag caaatatc
60tttatgtata gataattggg ggcacaaaac attctaggga acctccaaa tatttactag
120aataaataaa attagcaaaag ttataatgaa acataatgtg gccaggcatg gtggctcagc
180cctgtaatcc cagcactttg ggagggcag gtgggttgac cactgaggt agggagtgtg
240agaacagcct ggccagcatg gtgaaacctt gtcttacta aactacaaa attagctggg
300catgggtggtg tatgcctgta atcccagcta cttgggaggc tgagtcag

348

<210> 2774<211> 408<212> DNA<213> Homo sapien

gtcttctgtt tcttaaccta ccaaagcagg caagtagacg cacatgtgtt ttacacacgt
60cattggaaga aggctggcaa taccagcttg gttgcaagga aagaggcaat tgtgaggact
120ccttctcaca ctgcagtaat ttgctgagt accttgaaca aggatcttaa tgcacagag
180tctgtttcct caaccccaaa atgaagggtat tggaccagat gccctcaagg ttcctcaagg
240gtcagctgtc acagttctcc aaagtgagtt ttcaggcaga catagagttta gccagtgtcg
300cctcaccagg acattttgtt ttctgaacat tgggctctg tggtttgcata catacacca
360ggggactggg ctcataactc cctgaagaac ctctgccag aacaaagg

408

<210> 2775<211> 337<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggtct ttcataatc ctaactaatg atgtcactct
60aatgcttaaa catgcttcag tagcctcagg ataaaactct gtggttaaggc atcaaaggta
120ctcaaatgtt aggtcccaga gttctacatg gggagcatct acttgttgc tgtatcatgt
180ctttctcaac ggtccctatc gcctagaaga agagttaatt gcttctttct tactgtcatt
240tcatgccttc agaataaatg tatagcacat ttcaccaggt tagaaactcc acaaagggta
300attcactgct atatttctag ggcctagaaa tctaggc

337

<210> 2776<211> 338<212> DNA<213> Homo sapien

ttactgttgc gagaagacga cagaaggggc tgggggagct gcctgtgcc tggcctggcc
60aggaggtccc tctgcccgt cagctgcccc tgcaactgca cgtcccatg ctctgcagt
120cccaccagac agacacctct taggaagcgg catgctccct gggacaggcc ctgaggcatc

180acggcctctt gtgaaattat caaacgtcac caggtgccag aggcaggtgg gcagaacgag
240gctgaggttc actgggatgc tgtggttaag gcctctgctg acctgtgctg tgccggccac
300tgggagtgtg aaatgagcaa acgggaacag aagggtgg

338

<210> 2777<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtct gttttgtaga gtaaatacga ggatctgttt
60tgttatataa cacatttact ttccataaat ggtgttatct ggcaggtatt ttttggtctc
120cagaataaaa gtttttaaat taaaaggggt atccaagtat ttttaggagc ctagtatttc
180ctcacttact cccaaactct aaaagtagat tggttttatg ttaaacagag aattcgtaca
240gaaaaaatct tcaggactgt attcattcca taaataatgt actttatttt attgcatatg
300gctattaagg agggcatcca tgatcaatac agactaaata caatgcacta ttctagtcca
360gtttattctc gtctcc

376

<210> 2778<211> 357<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtct attactcgac tttgaatttc tcacacagct
60ggcattaaat tcctcttctc aagaaactta caagtagttg tagattatta tcaccagagc
120tgtcaatata tgtatctgca agaaactgcc agaaaacagc cagtatacct gtaaaggggt
180caagctaaat agaatttata aagacactat tacagagata taggcagagt tagggactgg
240cacccaggaa ctcaaatag cagggagccg ttagcacctg cgatgggctg aatcatgttc
300ctccgagact cacaagttga agccctatcc cccagtacct gataatgtga ctgtatn

357

<210> 2779<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaaggggga gaggaccag atgggcttgt tgaagtacca
60gtgggtaatt ggtgaagtgg ccaaggggtat gaggagtga gggtaataaa gaaagagcaa
120gggaaggaag ttgaggtgtg gtataagcag ggaaagctgt tggatgcaag gttggagtta
180gtgggggctg gaataaaaag atgtgacctt acaactatta atgtgtctt gttaaacaaa
240atgattttgt tggatctgtg tgaattctg acttggttag cctatttcaa aatgcacgat
300gaggttgttt ttaaatgaac ttacgaattc agtttttccc tatttccctg accgtgattt
360gacatatctc acagg

375

<210> 2780<211> 337<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagga cttaaaacaa taagcattta ttactgatct
60gaagtccaca ggtcatcttg gtcagtctct gatctgagcc agcctcactc actcatgtgt
120ctgggtccact ggcagtttga aagggaaact aattcacatg tctggcagtt ggctgaatgt
180tggttagagc aataggatga ctgaccata taccttttgt tctccaacaa acagttgcag
240gggaccaggg gagcaagtgg aagcatgcaa tgcttcttaa ggtctagtat cagaagttgc
300acactgtcat ttccactgaa ttatttagct gaagcaa

337

<210> 2781<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gggacaaaag aaaacacata ccataaatgc ttatcattta gatcccagg
60gccccaaatc tgaactggag catgagtttt atgaattaga acctctggct tcccacagct
120gactgcccc tgagaagacc acttatgaag agaccacat ctgctctgaa tttttcaaca
180gccaagcaaa gaatttaggg atgcctgtgc atgcagctta caacagtga ctcagcaaaa
240gactgaaaag tgacgttggc tctgcttgt tacagcccc tcttgaacag cataccgtgt
300gtcacttctt ctctctgaat cagagatgta gctgccaga tgctacaaa cacttgaact
360atggcccaca ctcttgccag cagatggggg a

391

<210> 2782<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg aaggggaagg caaatactgg atcttgggaa
60ccactgtaat ctactttgtg tctagcctat ttcttatatc cattgatggg tctgacctg
120gtgtgtcttt cctgttggct ctctttgatg ctggattctc tgtacctgc tcccacactg
180cctcctgctg gctttcctca gatatcaagg accaagtagt cacatttccc ctaccatgca
240ttggtgtcgc ttcttctact aagaaaacac ctagggactg accactcctc ccctccacca
300gatcttccca acccagtgtg ttctgaggct ttagggtaag gcagctagtg aaatttttct
360ctccaaatcc tggaagg

378

<210> 2783<211> 362<212> DNA<213> Homo sapien

ggcagcagat gaaggcccat gaggcggtt ttattgaaca ggaacaaaaa gaagctgttg
60cgtgagctga gaaagcaccg ggagcgtgtg gagctgatga tggatctgcc tggggtttcc
120attgcagacg agggggagac tggcatgttc tccttgtgca ccattccggg tcaccagtta
180ttacaggaag taacacaagg ggatatgagt gcagcagaca catttctgtc cgatctgcca
240agggatgata tctatgtgtc agatgttgag gacgacggcg atgacacatc tctggatagc
300gacctggatc cagaggagct ggcaggagtc aggggacatc agggctctaa ggaccaaaa
360cg

362

<210> 2784<211> 336<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag ggacatgtct gacccaccc agtggccagc
60tcagagcctg ataagtgtag gtgcccaggg aatgtgggtc agtgaacata agagaggact
120tcatggagcc caggcgtggg cagggcactc cgtgtgggg tgctgagtga agaggcaagt
180agatgaaagg gcccaggtca tcctggccat gtcaggagca gggaaggggc cacctgggtg
240aggggatggc cagaggagct gtggggcagc attgcgggca ctcacctggg gggcctctca
300tccccattgg gcccgcactg ccggcatctc ccttgg

336

<210> 2785<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggctg tagtcccagc tacttgggag gctgaggcaa
60gagaatcact tgaacccggg aggcggaggt tgcagtgagc caagacagca ccactgcact
120ccagcttggg taacagagcg agactctctc aaaaaagag caacaacaac aacaaaaaaa
180accatagcca tatggcttga gtaaggaaag acagagttgc tatttgttga gatggggatg
240acagtgaaaa gagcaggctt ggggtgttgg aaagtgcaa tgtaagtgtt cgattttgga
300tataacttaat ttgaaacgtc attatacaac caagtggaga tcttgcattg aactggaga
360tacatggcca aaaatatn

378

<210> 2786<211> 373<212> DNA<213> Homo sapien

ggcagcaggc aagatggagg cgactacggc tgggtgtgggc cggctagagg aagaggcgtt
60gcggcgaaaag gaacggtga aggcctacg ggagaaaacc ggcgcgaagg acaaggaaga
120tggggagcca aagaccaagc atctcagaga agaggaggaa gaaggcgaga agcacagggg
180acttaggctg cggaactatg tcccggagga tgaggacctg aagaagagga ggggtgcccc
240ggccaaaccg gttgcagtgg aggagaaggt gaaggagcag ctggaggccg ccaagcccga
300gcccgtcatc gaggaggtgg acctggccaa cctcgtcct cggaagcctg actgggacct
360caagagagat gtg

373

<210> 2787<211> 410<212> DNA<213> Homo sapien

ggcagcaggc taaacagaag agccatcgtc caggatcagg gatgtctgcc tggccttatt
60ttatttatgg accatcccaa cctccagtc gtccactccg ctttgcctgc tcttcgatac
120ttggcagaat gccgtgcgaa cagagaaaag atgaaaggag aactgggtat gatgttgagc
180ttacaaaatg ttatacagaa aactacaact ccaggagaaa caaaacttct ggccctctgaa
240atctatgaca ttcttcagtc ctccaatatg gcagatgggt atagttttaa tgagatgaat
300tcacgtcgaa ggaaagctca attttttctg ggaactacaa acaaactgac caaaacagt
360gttttgcata tagatggcct tgatgatacg tctcggagaa atctatgtga

410

<210> 2788<211> 407<212> DNA<213> Homo sapien

ggcagcaggc tcgtcctgcg gggggccccc agcccacctg ctccctatcc gtttcctgca
60agatgggtgc cctgcaccc cctcaccat tgetcacgga aggaaaagca gacgtggcca
120gcctgcaccc tctgcctcc ctgagcctcc tggcctggct ggccacagct ggcattggag
180ccatcagcag gtcctgtgca ggcggacggg ggcagccccc acagccaggg caccctggac
240ctcactcacc agcacccttt tggcttttc ctagcaaat atgcaaagtg tgaccagtgt
300ggaaacccaa aggtgagtgg gttccggctg caagccacca aggcttcagc tttgggggtg
360agcagggttg tctctgcact gcttgngtg gcaggtcttg tgcccn

407

<210> 2789<211> 388<212> DNA<213> Homo sapien

ggcagcagtg aaaaccttat tagtgtgtg atagtagaga agcttttagt caaaagtcag
60tttattaaat gtttagaata cctaaacagg aagaaaattc tattgtttt tataacaaag

120tgggaagattt caagaaagga caactcactg tacacttgag aataatacct acagagggttc
180atactgaaga gtagtctcaa taatgtaaag aatttgacaa gcatgatgct attgaaatag
240ttctgtaagg aagtgggtgtt ctttatacat caattattac aaaaagcagt gaattgtaag
300tgtgaggtgt gtttacttag atgtgaagag ttctccttac tgctgtgatg gaataacaag
360ggtcagattt cctctcctgc cttaaacn

388

<210> 2790<211> 334<212> DNA<213> Homo sapien

tctacgggtg cgagaagacg acagaagga accagaacca tatagttagt gggatctggg
60aaagttagttc ccagcttaac agttaacaca ccacgcacca ccagtacaat ttgtgttttt
120gttctgggtg ttaccattat attaatcct ttatatggta ttctaatttc cttctctttt
180gggggggagg ggtattatgt gtctggctct cccattttac attaactatc actaatcttt
240taaatgagta ttacattagt gtctttatcc gggactgcc tcaattttca ttttatttct
300tccatgagtc aacggccctt attcatactt taac

334

<210> 2791<211> 399<212> DNA<213> Homo sapien

ctccgttgct gacggtgcc aaggaaacgga ttcatctacc cacgaaggac gcgggagatg
60aggtgccagg gtaaacagcg ggaccgcgca etatgtcacc ctttctgccc gactgcccgg
120aggaactgca tgcagggcgg ccggctccgt ggcaggcaga ggcaggaaga ggcgcggagc
180ccgctcgtgg cgaaaagggg agtgcggcgg gaggggaggg cagaggcagg cgcccggtcg
240cgtggggcct gggccgccc aggaggccct ctggctggat tcttagcaga tggaaagccgt
300gcaagggcag gaggcaggg cctgacgtgt ttggattgag gttgcaggag gggcccctgg
360ctgcttcagg gagaataatt tggaggcgag cggngagggn

399

<210> 2792<211> 395<212> DNA<213> Homo sapien

ggcnnnnntc tgcagcggcc tacggctgcg agaagactac agaagggcac agaagggcggc
60tctatgagaa gagctctttt aatgtgggaa ttgatataca agaaggtact tagtccataa
120gatcaggatg tacaagataa cccagagggg cgctcagcca agcttagagc cactatcaaa
180ttataagtta ccacatctt attcttcaaa tttttctgc aggttctcta gtcttactc
240atgggtatgt cctgaatgtc ttgatatagg ttaagtatg ggacagtcta aaaattgata
300acatttagca tttttttccc tcacaaagaa actgtggaaa atattagcat gacagagaaa
360gttccactca eggagtagca tctcaagacc ggaaa

395

<210> 2793<211> 372<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggc ctgagggtct gctctgctg cctgaggact
60gacccaagct atattctgag tcagggctag ggcagctta gtgccaccac aaaggccttc
120cctcagcata tataacctca ctgtctccca ggagctatgg gggtaataca ggcattggga
180gatgctggag ggaggcaggg tcttaattgg ctgatcaact caaccaagta acattgggta
240atggcccaag gtcaatgtgg ggagtgtcaa ctggataaat gatattcagg gaagcccatc
300cctgttctgc tgcaagtctg gagagcatgc cacagggtgag cagcgcttgt gaaggtaaga
360tatggaggcc ac

372

<210> 2794<211> 372<212> DNA<213> Homo sapien

ggcacgagag agagagagag agctagtctc gagagcagct cttttttttt tttttttttg
60ggggggggga aaaaaccccc ctttttttgg gcttttaaaa aacaacccct ttcagggaac
120tgggggactg gaaaataaaa ctcccccggg gttgggtttt tgggaacctg aagcctttta
180gaaggagag ggtttttttc ccaaaacccc aggggagggg gggctttgca tttttggaac
240acaaaaaggg gccccccctg gggggggaaa aaggctaaac cttccccctt acctggggaa
300tgagccccc cttttgtccc cttctggggg ggggggacgg ggcctttttt ttttttgacc
360cagggggcgg tt

372

<210> 2795<211> 393<212> DNA<213> Homo sapien

ggcacgaggt cccacctgaa gaaaatccat ggggtgcagc agcagtatgc ctataagcag
60cggcgggaca agctctacgt ctgcgaggat tgcggtaca cgggcccac ccaggaggac
120ctgtacctgc acgtgaacag tgcccatccg ggcagctcgt ttctcaaaaa gacatctaaa
180aaaactggcag cctttctgca gggcaagctg acatccgcac accaggagaa taccagcgtg
240agtgaggagg aggagaggaa gtgaggagaa ggaaggggag gacagacgtt cacactgcc

300cgtatgtcta cgtggatddd tggtdtttcag cttccccccac cccactggct cttcttaatt
360agaagtgacc agttcacctc tgtgtccttt tga

393

<210> 2796<211> 353<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaaggggaa ggatgtggct ctgccatgaa ggatgtcctg
60ttgccttttaa aatctggaag cgattcaagc caagctgacc aagaagccaa agaactggct
120aggcaataaa gctttaaggc agaagtcaat tcatctggaa agactatctc tgagtcagac
180ttaaaccact ctttttctact aactgattta caagatgata tacctacaac attccagggc
240gtacggcca gtacatcgta cggagtccag aattcctcag cagcatcctt tcatcaacct
300accacaacctg tagctaagaa tacctccatg agccctcgac agcgccgggc cca

353

<210> 2797<211> 379<212> DNA<213> Homo sapien

ggcacgaggc aggaacagcc ctcaagcctg tgtcgggtggc ctgcacccag ctggcatttt
60ctggccctaa gctagcggcc cggctcggcc cccgcccagt gcctcctcca cggcctgaga
120gcactgggac tgtgggcccc ggccaggccc agcagagact ggagcagacc agctcgtccc
180tggcagctgc actgagagcc gcagagaaga gcattggcac caaggagcaa gagggcacc
240ccagcgcctc caccaagcac attctggatg acatcagcac catgttcgac gccctggctg
300accagctgga cgccatgctg gactgagccc tccagcagtg cccactgtga cctgccgaag
360tccactgcct ttgccccag

379

<210> 2798<211> 380<212> DNA<213> Homo sapien

ggcacgagat tctttgtct aaaacttate gaaattgatg ctgtactct actggctccc
60tgatgatagt agaaaagcac tagtaatgta ccaaatgaaa ctggttgtgt accagatgat
120tttgttaact tcttaaatag cctagaaatc gtacgaggt caccataaac tgcagtata
180atttcagaac atagcaaaat ggctgataat ttgatgaat ttattgaaga gcaaaaagcc
240agatggccg aagacaaagc agagtggaa agtgatccac cttacatgga aatgaaggga
300aagttgtcag cgaagctttc tgaaaacagt aagatactga tctctatggc taaggaaaac
360ataccaccaa atagtcaaca

380

<210> 2799<211> 340<212> DNA<213> Homo sapien

tactgttgcg agaagacgac agaagggggt tgtctgaatt gggaccggaa aacgttgtcg
60ctcatcctat gacgcgaaag taaccgagac tatcaggatc cggagacgga aatgtccgaa
120ggcagcagta cttgaccctg tattttggga gtcgaacgga gaatggaaac tgaaagtgga
180aatcaggaaa aggtaatgga agaagaaagc actgaaaaga aaaaagaagt tgaaaaaag
240aaacggtcac gagttaaaca ggtgcttgca gatattgcta agcaagtgga cttctggttt
300gggatgcaa atcttcacaa ggatagattt cttcgagaac

340

<210> 2800<211> 368<212> DNA<213> Homo sapien

tcgaattccg ttgctgtcga gagctaggag ttggatgggg aaggacgccc ggccaaaagc
60caggaaaagg ggaagcgctt ggatggaaag gacgagtttg aggacctcga gtggtccgag
120gaggtccaga agctgcagga gcagcagctg cgcagcgacc tcttggaaca gtaccgttcc
180ctgctggtgg agcggaaacc ctcacagcgc tacaacctat acctgcagca caagatcttc
240gagggcgtgc gcagaaaaga gggcctggag gccgctgagg tggctgaccg gggcgagag
300gccgaggccc ccgagaaaaga gcaagcgtac ctgcgccatc tgggcctgct ggaggagctg
360aagaagcc

368

<210> 2801<211> 413<212> DNA<213> Homo sapien

cgacgaggca agatggaggc gactacggct ggtgtgggccc ggctagagga agaggcgttg
60cggcgaaaagg aacggctgaa ggccctacgg gaaaaaacg ggcgcaagga caaggaagat
120ggggagccaa agaccaagca tctcagagaa gaggaggaag aaggcgagaa gcacagggaa
180cttaggctgc ggaactatgt cccggaggat gaggacctga agaagaggag ggtgccccag
240gcaaaaccgg ttgagtgga ggagaagggtg aaggagcagc tggaggccgc caagcccag
300cccgtcatcg aggaggtgga cctggccaac ctgcctcctc ggaagcctga ctgggacctc
360aagagagatg tggccaagaa gctggagaaa ctaaaaaagc ggactcagag ggc

413

<210> 2802<211> 386<212> DNA<213> Homo sapien

cgttgctgtc ggcggctccg atttatgtct gtgggagtct cggagacgtg tctgggtgtg
60agggcgtggg tgcacgtccc cagggtctct ggctaggaag gcagcggcga ggtgcctccc
120cacgtacccc tcgcgggccc agccgagcaa cgtggggcga aggcggcggc gaaggcccgg
180gctgggagcg ttggcggccg gagtcccagc catggcggag tctgtggagc gcctgcagca
240gcgggtccag gagctggagc gggaaacttg ccaggagagg agtctgcagg tcccaggag
300cggcgacgga gggggcggcc ggggtccgcat cgagaagatg agctcagagg tgggtgattc
360gaatccctac agccgcttga tggcat

386

<210> 2803<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggttt tcaaactgga gaaagtgatg gatgatttca
60gaacttcagc tcctgagcca agaggtcctc ccaaccctaa tgcgaatat attccctttg
120atgaaatgaa ggaaagaata ctgaaattg tcactggatt taatggatc ccttttacta
180ttcagcgact atgtgaattg ttaacagatc caaggagaaa ctatacagga acagacaaat
240ttctcagagg agtagaaaag aatgtgatgg ntgttagctg tgtttatcct tcttcagaga
300aaaacaattc caatagtta aatcgaatga atggtgatg tttc

344

<210> 2804<211> 437<212> DNA<213> Homo sapien

tagtgcttct gagattccat ggagagcttg cttgatcttn ngncccgcgc ggcctacggc
60tgctacaaga ccacagaaag ggattacagg tgtgggccac cagccccagc cctcttgtgt
120aatttttgat aaataacaca ttactattg ttggtttaat gaaaacagct caattctgag
180gtattgctaa aatactgata ttaacctta agtttcttac ttaggtcaga aactcacagg
240ctattaaaaa ggtaaacagg aaatagcttt aaatgatgac tatcacagtt ttcataaata
300acctatgtaa actatcagca ttactcatgt taatgtaatg gaataaatgc ttataaacia
360acttgatata taatttagaa tctaaagtta cattaaataa taaaactcat taactgggtg
420gcttctaatt taaaaac

437

<210> 2805<211> 385<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaagg catagaggag taattgggta attcctgtgt
60cttagggaag tctctctggc tcccaggagc agcatactag acacagagga ccaagtatg
120ggctcctagt atcctctctg tggccaaagc cttcacagtg aaaatagata ggaagagcca
180cctcgctgg ccgatattt gtttttaaaa ggttgggcat ggcttatgcc tgtaatggta
240gcacttcggg aggccgaagt aggaggatca cttgagacaa ggagtttgag actagactgt
300gcaacatagt gagagcccat ctctacagaa naattttgta gggccgggag cgggtggctca
360gcctgtaat cttagcactt tggga

385

<210> 2806<211> 401<212> DNA<213> Homo sapien

ggcagagcc accatgccca gccaaagccat gaaatcttaa tggctcaact aaacaaacat
60ttattttctca ttcacactac atgtccatgg tgaggaagac cactctgtc catattgtca
120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgtc tcaacacaca
180gcttctagag ttctgtgggt gggataaggt gtaaaaaact taaactttct cttaaatgct
240ttggccctgg ctgcatcag tcttatgaat cttctcagt gctagggagt tgggatgtgc
300agtctccct gatgcccaca cagaacaggc aaaccagata ttactgagt caagaaatcc
360ctactatgtg tactgaggaa caggattcaa gctgtattag a

401

<210> 2807<211> 401<212> DNA<213> Homo sapien

cgttgctgtc gatcttggtg ctctccagg gatgtgttg tgatatggg tcaactaagt
60aagacaggtt tccaggtaga acatagtttt tgcctatttt tctctgggtg tccagggtcg
120ccatccctac tctactctg ccttggtgaa ttcttccctc aaaggtttta agcgtcttaa
180gtgcttctca cattccaga taagccttgg tgcctacct gggatgcagt cgggtcccgt
240taccagatg ttgaaggat taaatacttc catgcctgaa ctggtgattg gacttgttga
300aatgtttttc ctttttccct cttttgtccc ctggcactgg gatggtggtg gtctgtgggt
360gctgtctcaa ggtgccctta aaaaaggaca actcagaaga g

401

<210> 2808<211> 424<212> DNA<213> Homo sapien

tgctcagag agagagagag agagagagt ttatagagag agagagagag agagagagag
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagagag agagagagag agagagagag agagagagag agagacacac tctctctctc
180tctgagagtg tgagagagag agagcggggg gtgagacccc cccctctctc ctctctgtgt
240gtagtgtttc tctgtcgcgc ggttatTTTT atctatctct ctctctctct ctcatatata
300ccttttcccc cccctctctc ctctcacaca catatttttt tttttttttt gtgtgggtct
360ctctctctat aaaacacacc cctctttttt tttctacttc tgtgtgtgcg ctttcttcac
420accc

424

<210> 2809<211> 407<212> DNA<213> Homo sapien

ggcacgagaa gagatatata tcagcttcta gtaaaagttt ttttttttaa acctgctagc
60tacatttaca ttatgtaaaa ataaagggaa taatcactga gaataaagca gttgagtatt
120tataacaata atattttatg gggcgcttat aatgtttata atattgtaaa ccactgtgta
180ctctattcat ttaatgctaa atgacttgac cattcttgtg ggataagaga tcattaaaaa
240aatgctaggg ccgggcacca tggctcacgc ctgtaatccc aggactttag gaggccaggg
300caggtggatg acttgagctc aggagtgtga gaccagcctg ggcaacatga tgaaaactcc
360gtctctacca aaaatcaaaa aaaattatcc aggtgtgatg ttgtgtg

407

<210> 2810<211> 411<212> DNA<213> Homo sapien

ggcacgagat ttanaaaaaa tactaataacc atagcattaa ttgtgatgat gaaaacagca
60ctgtgtctac gttgtcagaa aaattgctcc tttttaccac cattgactca tttctgtgtg
120ttcagggtctc ataaccagtc tatagtcagt gtcattcttg ggacagtatt ccttgagttt
180ctgatgttga attcagtttt gctggataca aaattcttgg cccagatttt ctttgagtat
240cttgatttat tctgttttct tccagcataa agtgatgcat gaaaagcctg atgaatcttg
300ttttcttccc ctgacagaca tatgtgggtt ttccttatat gcccaaagga ttttttctt
360tctctgtcaa ggcggtcgtt ntattcgaat gagcatgtgt agtatcggtg g

411

<210> 2811<211> 381<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggcc aagcaagtag ataatgtaat aatcaaaaaa
60taatatataa agtacaacaa tactacatac tctgaaggag gggtagat3a atcatgctat
120aaaggcatga tcaaaataaa aagtttgat ctgcacagag aggtcagagg tttctctgtg
180gaagtaataa gagaattaag aactgaagga aaagaagggg ttaactatag aacgacaaag
240aatcacattc taaggaaaagc aaataacaag cactaagatc ctgtgggttg agagaatatg
300ttattcagta gagccacaag atggtacctg tggctagaat gctagagaga gagtagaaca
360gataatacct ctgtagattc n

381

<210> 2812<211> 394<212> DNA<213> Homo sapien

ggcacgaggt gacctcaggc ctacataacc tttctgtacc tcaacttcct catccagaaa
60acagggatga tgctgtctac ctcatggat ggttgtgcag gatcaaagat tcagtcattc
120agcaaaccta taccgagtac ctactgtaca ttcatgagtg ctaggcagcc agccttccag
180gtgctcaggt acatctgtga acacaactgg ctattggagg aagcaaaatc agtaacatga
240cctgctctct ttgatctgtg ctacagaaaa aaaggaaagt ggagaggcat caggaagtca
300ggagtgtcgg ggaggggctg gtaacagtca tggattataa gaggagggca ggcaggcctt
360actgtgaagg tggattttga gatgaagtag ttgg

394

<210> 2813<211> 386<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggga ggattttcta attctttttc agttttgact
60ctgtagtttt tcataagcag taggagcatg atcatgagac ttaggaggag caaactttgt
120cccagtatag tttaagaaat ctcatatctt tatacaaaat atgtttgcag ctgaacttta
180cataccatct tgggtctgag acagtcagat aggtctctct gtgtgtatag tgcctacaaa
240tcccaggaat atgaaaattg tatagattcc tagttgctgg ctagagaagt gagagttgaa
300atgttctaa atataaggaa atgcagggtt tgccttagtt atatataaag ttgtcatcat
360agagcctagt gctgaagagc aaagga

386

<210> 2814<211> 385<212> DNA<213> Homo sapien

cgttgctgc gatttttaat tgagcaata ttgtatagat ggttcatttg gtcacccatt
60ttgaataata tatggaaagt taaaaatgc tttctagata caaaggaata aagctaagat
120gaagcttaac gtgagggatt acttactgtg gaattgcatt tcaaactggg ctgaggtggg

180atgggtggtgg tagataagag gccagctaga gtaaacataa gctttgtagt tttattattt
240taagagtcag agtcttggtc tgctggccag gctggagtg agtgggtctga taatggttca
300ctgcagcttc taactcctgg gctcaagctg tcttcctgcc tcagcctcct gagagctggg
360actacaggtg tgtgccacct tgtct

385

<210> 2815<211> 392<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaaaaat tagctgggag tggtggcaca ttctgtaat cccagctact
60tgggaagctg aggcaagaga attgcttcaa ccttggaggc ggaggttgca gtgagctgag
120attgcgcatt gtacttcagc ctgggcaaca agagtgaat gccgtcttaa aaaaaaatt
180tcaaacatgc agcaaaggtg aaagaatact acagtgaaca cccatatgcc ttctgtttgg
240attcgactgt taaccaacat ttaaccattt tgctttaact etatatactc cttttcttga
300atgatttgaa attaaattgc agatatactg cttttccctg taataacctca ggatgcatgt
360cttttgaaata atgctttttc ctacgctttt cg

392

<210> 2816<211> 406<212> DNA<213> Homo sapien

cggtgctgtc ggagcggggg gcgcagctta tgagggcgcc ggacctggga agccgattcc
60aatcagttgt cagaccggg aagcccgagc ttccgtctc ccgagtcctt ctgtgggggtg
120aggaatgggt cttgtgaaat tctgagcaaa aacaaaggca aactctatct ccgaaagggg
180cgtttggttc acatttctc tctggggggc gactccaaag ttctcaaaat gagaaggcag
240aaatgaaaac acttcaactt ttttttctt ttcttcccg ggagggtgtc ttgaaccctt
300cttctccccg cccctctggc tccgttctcc tccctctctc caccgtctc ccggactcgg
360gggtggcgcc tgacaccccg acactttcgg acactgtttg ggtaan

406

<210> 2817<211> 405<212> DNA<213> Homo sapien

ccatcgattc gaattccgtt gctgtcgaaa attttaaaagt tccattttct agccttacca
60cgtatcaagt gctccatagc cacacgcagc cagagcctac tgtactgtgt agtgtcagca
120taaaacatgt ccatagttgc agcacgctcc attggacagc atgcttagga caggagttgt
180gccttgtcta cctggacctg cccctaatat tggctagcat ctctcacat ggaattctgg
240aagcctcgcc ccttctttc ctacacccca gctctgtcc tcaactgtga gggccttgga
300tgtgcctgga gcagaggcca ggcaggccct ggaagcagtc ttgggctgta tggatggggg
360attccagatc gtatatgtag agcatactct aaatgtgggg cagga

405

<210> 2818<211> 386<212> DNA<213> Homo sapien

ggcacgaggc aacatggcaa aatcccatct ctacaaaaca tcaaaaaaa aaaaaattaa
60ccgggctgg gggggccacc cctgaatccc cttttgtca ggaggetaaa ggggaagaat
120ccccctggcc caggggggca agggatccag ggaccaatgg tttaaccatt gctttttacc
180tgggggaaaa aaaggaaacc ccgtttaaaa aaaaaaaa aagaaaaaat tctaaaaaac
240cttattttta taaaacttaa aaaggcgagg aaaaaatagg ttttattatc ttattttaac
300aaagggaaaa ttgggggcta aaaaaataaa agtttattgc taagggcctt gggcttaaaa
360tttgcaaac ccttgtttta aatccg

386

<210> 2819<211> 386<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaaggggga gacgtgactg aggatacact tgctgaatgt
60attgattccg tcagccttga ggcagaaccc agatccgaaa taccctgca agaacagaat
120tatctggctg tggattcccc tccaagtga ggaggatggg caggctgggg atcctggggg
180aaatctctgc tgcgtcagc atctgccaca gtaggatg gattgacggc agtcaaggaa
240aaagcaggag ccactctacg gattcatggt gtaaattctg gatcttctga aggagcccaa
300ccaaatactg aaaacggagt cctgaaata acagatgcag ccacagatca gggcctgca
360gaaagccac ccactttccc ttcac

386

<210> 2820<211> 380<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaagggatc tccagcctgg cctggcctct ccgcagcgtt
60tcagccacag ttgcacaggt gcggctggac ctggacctgc tgaggaggt tctcagggtc
120cggagctggc cttaggtggt caccatagtg agatcctgaa ggcttcgaag aggccacaag
180aagtacagga atatagccca gtcttagcgg aggccatgca gcagatgggg ccctggggag
240ggattccgga gcacctggtc ccatgctggg gctcagcatc gctgtctgtc cagggatgag

300catgcaaagg ccacatcctg ctgggtctaa gctctggatc ctgttgagga cagaactcag
360canatacagc tcagtgtgctg

380

<210> 2821<211> 396<212> DNA<213> Homo sapien

gacggcgctc ggggtgctgc agtccaacct gccatgtgcc gagacattc tgacaaacct
60ccaagaacac gtgatggctg ttactgcacc cgcgaaatca ctgacacgaa aagttcacgc
120tggtgcctat cctacagaag aggggtgcat cttcttgaa gtgaaagacc agctgtgct
180catgtacctt atggatttga cccacctcat tctggacaaa gcctcaggag gatctctcg
240ggacatgatg cagttttgag actggtggag attcgcacgg ttttgaaaa gcttcgtccc
300ttggacaaa agctgaagta tcaattgac aagctgatca agactgcagt gacaggcagc
360cttagtgaga atgaccact tcgttttaag cctcag

396

<210> 2822<211> 382<212> DNA<213> Homo sapien

cctggcaaac cttgttgcc tggcagaaa tataaccag gaactgaca gtcttatgtg
60tttgcaaaa tgtttagaaa gtgagaagga tggagtgtt aataaagtca taaaaagcaa
120cattgcctg ggaaagttag aggaaaaagt caagggtac aagaagcagg cagcactgaa
180gctgggggac atcagtcacc gtctgtgga gcagcaggag gacttcgccg gcaagacagc
240ccagtaccgg caggagatgc ggcacctgca ccaggtgctg aaggacaagc aggaggtgct
300ggaccaggcg ctgcagcaga acagaagaat ggaagtgaa cttgaagtta tttgggaatc
360taccttcagg gaaaaccgaa ga

382

<210> 2823<211> 382<212> DNA<213> Homo sapien

tacggctgcy agaagacgac agaagggaca taccagggtat atactctgca aaaagaacta
60gggggtgcta tcttaattat taggaaaaac tggacttcca gaacaaaaag caacattaca
120gatgagtttt caatttacca gggatacata attttaaat tgtatacccc taacagcata
180actttgaaat atattttaaa aaactactgg aactacggaa tattcaaat cacaagggga
240cattttcaca catctcacag agggacattt tcacacatct ctctcaaat tgatgggtca
300aatagacaat aaatcagtaa ggagttaaaa ggtrtgaaga acacaattaa gaagcttgat
360ctaattggact tacacagagc an

382

<210> 2824<211> 405<212> DNA<213> Homo sapien

cgttgtgtc ggcgcagtc tgtagtcca gtacttggg aagctgaggc aggagaatct
60cttgaaaccg ggaagcggag gttgcagtga gctgatatca caccactgca ctccagcctg
120ggagggttga gtgagctgag atcgtgcccc tgcactccag cctgggcgac agagtgagac
180ttcgtctcaa aaaaaaaaaa ttaaaaaaag agcagcttct actgcagcct cctcttacc
240tattgccttc tcttgtctg gtctccactc aaagcatgca gccttctggg tgattttgca
300gatgggtcaa aacagcatac tcaatgttgc ctcccaata aaaaaacctt ccgaccattg
360tacttcttct tttgtggtag gtactgcaac ttgcagcaac ttgtt

405

<210> 2825<211> 418<212> DNA<213> Homo sapien

cttgttctnn nngcccatcc catcgattcg aattcggcac gagtggagc ctggcaggcc
60actcgagttt tctctaggag gttaggtctg actgcggctc cagtcatttg ctgagccctg
120ttcagctgga gctggatgaa caaaagcttc catgacaggg ttggagtcca ggatcctctg
180ttctatcctc tctgcaatct tgtggctctc ccaagatgca ggtgaggtgg ccaccacagc
240atagaacttc attaggcagc gagacgtcca tgtctttcca gcaccactct ctccactgac
300aacaatagac tggttgactg gttcaatcag gctcttgaca ttctgtagg tctgttcacc
360cacagtgaac acatggggct tcagtttctg gggctgaggc gcagcatggg actctctc

418

<210> 2826<211> 404<212> DNA<213> Homo sapien

cgttgtgtc gctcaaagta aaggatcgta agaagaagaa gaagaaagga caggaagcag
60gaggattttt tgaagatgca tctcagtac atgaaaacct ctcgttccag gacatgaacc
120tttcccgccc tcttctgaag gccattacag ccatgggctt caagcagccc accccgatcc
180agaaggcgtg catacctgtg ggtctattgg ggaaggacat ctgtgctgt gcagccactg
240ggacaggtaa aactgccgcc tttgccctgc ctgttttggg gcgtctgatt tataaacccc
300gccaggctcc agtcacccgc gtgctggtgc tagtgcccac ccgagagctg ggcattccag
360tgactctgt caccagacag ctggccagc tctgcaacat cacc

404

<210> 2827<211> 357<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggata tttcttcaat tcacatgaaa acagcagaaa
60gggagccctt atgaagttag aaaagctact ctgaaccatg cttctttcta caagtttagg
120aaaaacatttc acgtaaaaaat gaacaacaga ttgtggtgat ggttacacaa ctctgaatat
180aaaacactga actgttggct cacacctgta atcccagcac tttgggaggc ggatcacaa
240gtcaggagtt tgagaccagc ctggtcaaga tgggtgaacc ccgtctctac taacaatata
300aaaaaaaaag aaaaattagc cgggcatggt ggtacgtgcc tgtagtcca gctactg
357

<210> 2828<211> 361<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcgg ggaggctgag gcagaaaaat tgcttgaacc
60cgggaggcgg aggttgacgt gagccgagac tgcaccactg cacttcagcc tgagtgcag
120agtgcagctc catctcttaa aaaaaaaaaa gtttattctt tcctgtgggg taagcagagc
180tgaagtttta aaaagacagg gggggatctt cattagggaa ctgggcaatg ggcttctcat
240gttaacaatg ttgacaacaa cagccaaaag gaaaaatgta aaacccaaaa aaaaagctgg
300cgcagggggt cacgcctgta gactggcact ttggatggct gaggcgggga ttgcttgagg
360c

361

<210> 2829<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtga taaagtgtt ctgctctctt ttgacaactt
60gcatctctcc tacatggaag taagttttat tcctgtcaat gttgtctttg tgtgtgacag
120attaggatta aattatggtt tgacttttcc tagcagcgtg atcatgggca agtggctttt
180tttttttttt gaaaaaaagt ttattttttt tccccagggt gaagggcagg ggcacaattt
240gggttacttg aaactccggc ccccgggcca aggggatttt cgggtggaat tttttaaaga
300agtgggaacc cccccccc cgggttaatt ttggattttt aggaaccaac aagttttccc
360cattgtggga aaacg

375

<210> 2930<211> 378<212> DNA<213> Homo sapien

cggtgctgtc ggattccagg tgcattgctac cagcccccag taattttgta tttttagtag
60agacggggtt ttaccatggt gccaggctg gtctttaact cttgacctcc aataatccac
120ccacttcagc ctcccaaaagt cctgggatta taggcattgag ccagtatgcc cagctgttac
180ttttttttta gccattggga aaagtgtttt aagttacatc ttgtttgctg atatataaac
240tacaagtttt ctgttatgac ttgtgaattca caatctttct aaacttaatt aattctaat
300tatctatttc tatctacata atatctgtga atgagttttc ttttagaatc ttacagcttt
360tttgttctta caatattg

378

<210> 2831<211> 371<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggg acgttatgtg aatcttaagt cttaccagtc
60cttgcatag tacattaaat ttggatgttt tggaagcaaa ttcatacgat cgtgagtgat
120ttctccaaag aaaaaagcct tgtccagcct gaccaacatg gtgaaacccc atctctacta
180aaaatacaaa aattaactgg gtgcagtggt ggcagtcct gtagtcccag ctacttggga
240ggctgaggca ggagaattgc ttgaaccctg ggaggcagag gttgcagtga gtcgagatcg
300cgccactgca ctccagcctc ggtgacagag caagactcca tctcaaaaaca acaaaacaaa
360caaaaaaaaaa c

371

<210> 2832<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg tcccagcccc ctaatgttga gggtttggga
60cagggtggca ggatgactac agggagtcac ctaagcaaac tgaaagcagg attcagaaac
120atagtttaac catagctcgg ttactaaac tataaaacat tctgtccttt tacttgaaag
180aactagctga atataaatca caaacttgaa aaaactactt ggaaaccact agtttagttt
240ttattttaaat tttaaaaaat ggtataaag cacataactt atgtgacatg gaagcaaat
300taaacatttt atgagtaatt atatttttaa agtattagat accttagctc aacaatagca
360tagaaagtta ggctt

375

<210> 2833<211> 348<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt ctaagatttc caaaatacta taaaatattc

60tcattgttctc aaaggcagaa ccagcctttt aaaatttaatt ttaatcagca ctttaaaaaat
120taccctatga attgatgggt gtagactaga tagttatccc taactatttt ttgtctcctc
180ataacagaat taaatctttt tagctattgc tatgtgtctt gcctgtgcat ctaatggaaa
240ttgtatacat ccttgcctca ctgatttagg gcttgataat atgacataat ttgaccaatg
300ggatgcaagt acaataaatt tagctccatc ctggcagaag cttcagcg
348

<210> 2834<211> 348<212> DNA<213> Homo sapien

tttcaagcgg tttagggctg cgagaagacg acagaagggt agcagactat taagatgttg
60agtaacaagg gaaatcaaca cggaattgta ggcctaaacc actggcttat aaccagatta
120tggggcccctt taagaatctg ataagaagtt cgcattttct ttatccccag aatagacata
180cataaaaaata atgcatacta agtatctggc attcatagac ttccctaaa tacattaatc
240acacattatc agctcctgct gttaaagata ctacaggctc ttgaaaaatt ccctcttagt
300tctgggtgta agtactaaca gtgggttaatt tttcaaccca ttgattat
348

<210> 2835<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggagt gctgggatta caggtgtgag ccactgcacc
60tggctgagac tgccttttga ctgatgactt atgttttagct ctgatgtgct gacagggaca
120aaatgctgga gaaggaataa aaaaggaata atccaacaag gatcaagaga acaggaaagg
180agacaatagc taatgaaagg ttcccaaca tttgggggag ttgaaaaaaa agagtcgagg
240taattgactt aacagagaaa gctacaacct cactgattac agaggggaac acggaaagga
300ggcaagccta tttaccccca cagaatcctg gaaaaattca gcaattggaa gtacaaagtg
360taggtgaggc aatgagcaa
379

<210> 2836<211> 374<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaaggggca caccgcgcgg gaaggggttat caagtgccaa
60agatcaatgc tacctaccac ctgtacctgt atgggtgaag gcagaagaca gggagctcta
120ctctgccttc cactctcctt atcttatctc ccctttccct gagcaaaata ttgtcacaat
180caacctgtag cagatgttct ctgtgctttt caaacatacc aaaagtctgc tcatctttaa
240gtcaattcca ccacaacaaa gaggttgatt acaaagatcg tcaaagagct cacatgaaaa
300tagtggttct ctgtccattt aaaaattact cagctgatgc acttacaagc ttctaattca
360caataatgac gatt
374

<210> 2837<211> 372<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agagggggct ccaaaagcat gaaacattta atgttcattt
60taatgtttgt gcaaatctg tacaattaaa tctgtaaaat atttagcact atttgtaaaa
120tactttaatg gagacatata tcatgttcat tgaacagatg actcatcaag ataccaatta
180tccacaaact gatcaacgga ttcaacgtaa ttccattctt agtctgttta tgctgctatg
240acaaaatacc tgagactggg taattcataa aaaacaaatg tattttggta ggtttgggtg
300tctgggttagg gctatatgct cccgagggga gaaacacat gtccgcatgt ggcagaaggc
360agaagagcga at
372

<210> 2838<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggagt tgtaaatgtc caaagctaac aagtaaccaa
60caaaaagttg gttaaacatt cttctagaca ttgcctgtag tagttaattt ggggaacaga
120tatctttttt gcatttgagt gtaagaaaag gaaaaagaca gtttgatat ggaagttctg
180ttgtgttctc tctcctctc ctcctcaaag atgagtcatt taaagttgat tcagggtgcca
240gacaatgaaa aagaggggtg caatgtctgc catatgaatt gaaatgtttt gatgagaggg
300catctgcagg agaattatct ggggggtggtc tatctttctt tctctggctc tttttctctc
360ctggatgctc agcttctt
378

<210> 2839<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca ggatatcgga agcctgatt agattctatc
60ctaagagcaa cagaagatca ctgacagtgt tttaaataga tagactagtt tattagattt
120gcagtttaga agttcccttt ttttgtaatt attggacagt gtagagaccg gatggtgaga
180gatgagtttag gaagttgtga cagctctcta taccaccgc taatgtagag gattatttat
240tttcatttca ttaccattcg tgtaagggtg gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt

300gtgtatatct agtttctcta tagaacatat atgggagaga gaga

344

<210> 2840<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggggt ggcgggcgcc tgtgggccca gctactcagg
60agggctgaggg aggagaatgg catgaacccg ggaggcagag cttgcagtgc gctgaggtcg
120cgccactgca ctccagcctg ggtgacagag caagactctg tctcataaaa aaaaaaaaaa
180aaaaacattg ccttgggggg ccggccgcgg gggtagaatg tccaacccgg aaacctttgg
240gggtgctgggg gtgctgttcc ccaagccaag gttttctccc ccccgggccc ccccgggga
300aacccccctt ttaataaaaa atccaaaata acctggggct gggggac

347

<210> 2841<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcac attttggtgc tggctaaagt ttctggcagt
60gaatctgatg gttactttaa ggactaagac aaatattgtc agttcaggtc cttgggacct
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggc agacacaaga
240aaataatgga tccaagaaag caagtttct atggttaaga ggttaagtaa caattgtaac
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcagg

347

<210> 2842<211> 346<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcac attttggtgc tggctaaagt ttctggcagt
60gaatctgatg gttactttaa ggactaagac aaatattgtc agttcaggtc cttgggacct
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggc agacacaaga
240aaataatgga tccaagaaag caagtttct atggttaaga ggttaagtaa caattgtaac
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcagg

346

<210> 2843<211> 346<212> DNA<213> Homo sapien

tctacgggtg cgagaagacg acagaagggg acagtggcac cacctgattt catgatgtac
60catatgcact aacacatgtt tgaggtagag aattgaagct gattttcttg cttaaagatga
120atttctatta acaatcccat ttttatattg tattattaaa acaaaaatac ctctctttgc
180tagagagtat atgtatgact tatattatta actatggttt gcatttaaca catggccgat
240tgccctgtaa tctgcttatt ttaacaacat acggtgctgg gcacagtggc tcacgcctgt
300aatcccgaca ctttagagag ttgcgggtgg atcacttgag gtcattg

346

<210> 2844<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcct gtttaccagc tgggccaaca tggtagatat
60atgagattca catatggttt cattaagca cataggaaag tgctcagtca atatttaatt
120agttttaatta gataaggga aggagaaatc cttaatttga tggattcttt tatactgtga
180atatatttcc atcagtgttg gtaagatc aaatgactat cagttagatcc cagtcatcag
240tgacttattt gcatatttaa gccctattca caagagacca taatcatttt aatcttatat
300tttccctcag gaaatttagg gactctgaag cccctatttt attctcttgg agtaaactgt
360tgagtgtagt tac

373

<210> 2845<211> 345<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggcac acaagggagg tttgttgtaa ttgtctgcta
60tatgagaagc ttttgatgaat taccttgac tttctgacct gcctgggac cttgccagtg
120ttaagtcact gaaagtgtgt actacaaaag acttccatcc actattagct gatatacag
180tgtgtatcac cttaaaatgc ttagggaggg cagatagctg tgctctctac cttatctgg
240agttattgag tctgattcct tcgggcgagg cctcattccc actttcatgg ctggtttggg
300tcgacacatc atccaacttt ggacagagga tacaggctgg ctgga

345

<210> 2846<211> 374<212> DNA<213> Homo sapien

tacggctgct agaatacgac agaaggggat tgaagataag acgggaattt acatgggata
60aaagaaaaaa agtaacctta atgaggacat tccatgtat gattaaaaaa acattctgga
120tgtaaacatt aaaaacggat ttctgtgtgt catcctaaag attttgagat tcatgtatta
180atttgttttc agaaattaaa gggattacaa ttgctagtaa aattgaactt cgtaataata

240ttttctctgg tattagattc agaaagccag cgattagaag agatgctaac tgtgtttgga
300ggtagcttct ttatgaatag gtaaaattgt attttcaaaa atttgtatca taaacaatat
360gtagtttccc tgta

374

<210> 2847<211> 351<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca ttcgatcttc taggtcacag aagactttgt
60tagctggtat agcagacagg gaaaagttag cacattccca tctttaagag cactgcttct
120aaattctgtc actctttttg ataggaaatt accctaacag cctcattttt tccatcttag
180ccttcacaac aaataataaa taaagaagga gtgatatagt catactgtat tatacctact
240tactatactt attcgtagt atactgtatg agagtactgg tcaggggatt gggatttgaa
300ggttcttagtg ctggctctga tactacctag tagggcaatt tagtcatgtc n

351

<210> 2848<211> 345<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtc ccatgggggtg cacagaatgt ctgtgagact
60gatggagtgg agaagcccat cccccagcct ctccagctac tcgaggcatt ctgtagaaca
120taagcccata gaattgtgtg gtgtgtgtgt gtgtgtgtgc atgcgcgcgc gtgcgcactg
180gaggaaacctt agaaactatg tggcgcaatt tctcttattt tagagctccc agagtgtagc
240tccagaatcg taaagggata tgctcagtct cacagccagc cgtgggatct cagtcccaac
300actcaccctt gtgctactga gtcagctcta agaaaatctg ccaag

345

<210> 2849<211> 368<212> DNA<213> Homo sapien

aattccgttg ctgtcggcgc cgggggcgca gcttatgagg gcgccggacc tgggaagccg
60attgcaatca gttgtcagac ccgggaagcc cgacgttccg ctctcccag tccctctgtg
120gggtgaggaa tgggtcttgt gaaattctga gcaaaaacaa aggcacaaac tatctccgaa
180agggacgttt gggtcacatt tctctcttgg gggcggactc caaagtcttc aaaatgagaa
240ggcagaaatg aaaacacttc aactttttt tctttttctt cccggggcgg gtgtcttgaa
300ccccctctt cccgcacct ctggctccgt tctctccccc tctccaccc gtctcccgga
360ctcggggg

368

<210> 2850<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcac tagctgccag ggcagttggc tgggcactga
60gaggctgttg gagccttata tcttactta cttctggcct ttccaatttg ctctatactc
120ctatccatga aaaccaacca caaatccatc tgtactacct acccgctac tctctaaaa
180gcaaacaaaa caccacacac acaactat actgtcttaa aaagtcttg caaatgcata
240cctctgtgga ttgaaagccc tctccagtc tcttatctc aaaggccaaa ctcaaatct
300acttcagtga gactttctc cattctaaag caagggtcc cccaacc

347

<210> 2851<211> 343<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggg aagctcaggg ttggactttt gatgcctcgc
60aaagtctgta tacagatact tacacatcta aaacagaagc tgatgacaag aacgatgaaa
120aatgcatgaa agttgactta gtatctttc catcttcacc tattatgggt gataatgata
180gctctggtac aagtgataag gatcatagt aaatacttga tggaaattagt aacataaaac
240tgaattcaga ggaagtaaca cagagccaat tagattcctg tacaagtcac gatggtcac
300aacagctaag tgaagttagt agcacaagag agtgccctgc ttn

343

<210> 2852<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaca aacaatagct gagcacagg agagcgtgac
60caggagagag gcggatgctg gcgcaggag gctctgagga aggctgcaca cacaggatgg
120ccctctccag cttcacgtcc tcagggttac agatacagcc ggggctgggt gtcacagcaa
180gcaccctcca tctctgtc tgctcctaag ggcccttct ggtgtccagc ctggggcctt
240tgctaggtca gagccaagg gatccgtggg aagcatgtga tggggcagg cagagggctg
300gggcgagggt ggagttcagc acaggaggtg tgtcacagtt ggggcgtagt tgtaagtgt
360ggcctcatgt gtgt

374

<210> 2853<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa tcaggattca gactccataa aaaagcctga

60agaaatcaaa caatgtaatg atgcacctgt ttctgttctt caggaagata ttgttggaa
120tctttaaact acaccagaaa accatcctga gacacctaaa aaaaagtctg atcctgagct
180ttcaaagagt gaaatgaaac aaagtgaag tagattagca gaatctaaac caaatgaaa
240ccgattggtg gagacaaaat caagtgaagaa taagttagaa actaaagtgt agacccaaac
300agaagaactt aaacagaatg agagcagaac aactgaatgc aaacaaaacg agagaccat
360agttgagcct aaacaaa

377

<210> 2854<211> 371<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagccaa tattgcaccc ctgcactcca gcctgggcaa
60ccaagtgaga ctgcgtcttt taaaaaaaaa aaaaaaaaaa aaaagggggg cggaaatttg
120gggggggggc cccaaatttt ggatttttaa aaaatttggg gccggggggg ggggcctaac
180ccctaaacc ccaccttttt ggaaggcaag ggggggggaa aaactggggg ggggggttca
240aaaaccaccc gacccaacgg ggaaaaaccc ccgtttttat aaaaaaaaaa aattaacccg
300ggattggggg ggtggccctg aatccccact ttcccgggg gtgggggagg gaaaactgtt
360taacctgggg g

371

<210> 2855<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg ggaaaggcag agaatgtctg aattcttggg
60tctcttctta acctgatttt gagagagccg tcatgacccc acccttatcc tagccttatt
120ttctgcaatc tcaatctgtg tggggtaggc tggatatctg agggccttgg caattccttc
180ctggaatatg gggaggagag gagagaagag tcanggccca ggcttgggtc agcctatggt
240cttgacaggg ggagagcttt ccacagccag gcttaccatc aggggaacaa ctggagggtc
300ttaaacatgc ccaggactca aatccccgtc cttctacttt tgggatg

347

<210> 2856<211> 329<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggact ctggctgccc agacaacatc caggcctttc
60cccgtaggca gcgctgccag gaggcagcag tgaaggtccc cttggctctc tggccccagc
120ctccctccct gtccacctt ctgcagttcg aggcactcgc ttggcctca ggacacacct
180gccttgtctc ctctgcaggc cataacatcc ccttcctctg acctcttcta aaatctctc
240cttcacgtgg ttcttccata ctatggccca ctggactact gagcctaate atccaaaaat
300tgaacccct tttcttcaag ggtgggaag

329

<210> 2857<211> 325<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaata ataatcatga aaacgatttg cggaaatgaga
60taaaacttca gaaattagat gaccaaattc tacaacttct aatgaaact tctaattcaa
120tagataacgt tcttgagaaa gacccagac caaaaagaga cacagatata acttctgaaa
180gtgactatgg aaacagaaaa gaatgcaata gaaaagtcc tcgaagatca aaaatccctt
240atgatgccaa aaccattcaa actattaagc accacaataa aaactacaac tcttttgtaa
300gttgtaatcg taaaatgaaa ccacc

325

<210> 2858<211> 380<212> DNA<213> Homo sapien

ggcacgagag agagagacat ctgacttact gtagatgagg nacctcaatg caacgctgta
60gctagctgtg acaactgatt agtctcttgg gaagacaagc gggttatate ctacgaacca
120tgtctgatca attagtagtg gctgcctaga actgcactgg ccaatatgtg aaccattggc
180cacatgttgc tacttaaagt gagaaattca ttgcttcagt cacactagcc atattacaag
240tgtctatgc ccggacactg aacatttgca tcatcacaga aatttctatt ggccagcgct
300gacttagaac gtcattgttg gaagagaagt gaggccgtgt ctaggaagca tgagagatca
360tcatggtcca ttagcaatgg

380

<210> 2859<211> 463<212> DNA<213> Homo sapien

cgttgctgtc gctctcctcg aggtgccccg ctgtgaccag cagacctgca cacagacgca
60agacaggata aacatctggg aagcacaggt atatgaggca cagaaacaca aggcactgtg
120gatgcctctt ctgtctggac agaaaactgg agtcaggaga cctctctgag tccccagaga
180cagaatcatc actactgtgt gtccttgga cttaaagtag taaaaaaaaa aaaaaccggg
240ccgaaagtgc acagcttgca ccttgaaaaa ggaccctcac aaaaacccaa ccatgctggt
300acctgatttg ggacttccaa acttccaaaa ctgtgagaaa aaaaatatgg ttgtggttta

360taagccaccc acattatggt attttattat accaccccaa ccaaacgggt agggtaaagg
420tagggatttt ggccaatttt taccttacct ctcaacatta gaa

463

<210> 2860<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gtttagagta tagagagaga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagacaga gagagagaga
120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagcgcgc
180ctctctctct ttttttcgtg cgctcttgcg atagatatct tttttctctc ctgcgcgctg
240ttttctcaca cacacacaaa aaagcgctct cccctacac gccccccct ctctgtggag
300tgtagaatat gtgtgcgcgt gctttcttct tctctctctg tgaggggggt tccccccct
360tcgtttgtgt gtgggctctt tatgtgtgtt ttctctcgcg cggccgcaca ttttaaaaaa
420

422

<210> 2861<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtc tgagtatagc aatatctgtc ttcaaatgc
60aattttcac catcagatct ttcatttctt catgattatg aaaatcctaa ataaaaaac
120agaaagtttt agctagtact caataaaata acatatcatg attacctctg aagttaaaga
180ataacctgca catccatgca ctaaaagggt tactgtaagt ggatatccaa ctggagaaaa
240agttgaagca aaattttgaa ccttatagag cataaattcc aaaaagtcca gaaatttatt
300taaagtcaat gaatttataa aagtaaacac gcacacacac atgcacacca gagagttttt
360aagagtttca gaattggaat

380

<210> 2862<211> 450<212> DNA<213> Homo sapien

tcttcttttt taggatccca tcgactcgaa ttccgacga gtggtgttcc actagtatgt
60tgaaaatgtc atatcatgga gaattggagac acctccagg tgtctgttaa acccatcttc
120tctgtgtact tctggcatct tttttggtag gatcatttgg caggggggag ggggtggaagg
180cttttggcac cattgaaacc agttctggcc catttgtttg aatagctaac atacacatca
240gctctatag cttcatatac cacctgatag aaccctgtaa taatgctctt gaaagtgtaa
300cactcatgct tcctaccaca agcaattaac ataaagctta tacgccagct gtacgacgcc
360cattgtttac ataactctc tacttttaat tcaaccatct tttgcacccc tcgattcgat
420cagctccacc tctagtctct acgtatcgtc

450

<210> 2863<211> 398<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa gagctctagt tctttgacag ttgcagtgc
60aatggcttca agtttattga atgtctcaaa attatgtttt gagtaaggcc tttgccttca
120ctcaaatatt caaattattt tcatcataat ttaaattctc aaatatatag tgttttattt
180tcagatatga tatatactgg aaacaggggc aagtattctt tatcaatatg atacttttag
240aaaaataattg ttttcatttt tgtgaaattt atttcagaca gtctcaaccg ccagtgaact
300acagaaacca atttactgga ttgtagctgg taaagccctt gattatgaac agatgctgct
360tctcatggct aatgtgaaat gggatgtaga aaaaaata

398

<210> 2864<211> 408<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
60gagagagaga gagagagact ctctctctct tacatagcta gatatacaca tatacacaca
120cagacagaca cacttgggtt tgctctcccc cctctcttgg tgctcccaga gctacgcttt
180ttttgtgatg tctctcgcgc tttctctctt tgtgcacac ctctactgcc ccccttctc
240ttttctctc tcgcccgcct tttttttttt ttctgcacac actgcccggg gtgaaactcg
300ttcccccccc ccgctctttt ctttttttat gtcacgtccc ccgagggagg cgtggctgag
360aatggcttcc atggagtctc cccgtgaatg cttttctctg ccacaccg

408

<210> 2865<211> 399<212> DNA<213> Homo sapien

gatcaattcg gcacgagagc atgtgaaaag tccttggggc agaatcaagc ttggcatctt
60caaggaaatg acagagaggc ccatgttgca tgggtggaga ctggcatgag atgaggctgg
120agaaggggtca ggccacacag ggctggataa agggctctga cttcattctt ggtgtgatgg
180gaagcccttg gaggatttta agcaaaaatg tgccacgatt catgctgggtg ggtctgtgga
240agatggattg ggataagggt gggagtaggc tggaagggtg atctacaaa ctccatcctg
300ctatgacgcg tgccttaaac tatttaaagg accctggctc gaaggggtga ggaggacatt

360ttatcggaga cagagccctg agggacctga ccccatggg

399

<210> 2866<211> 388<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat gaggaagaaa tacgaaagca gtaaatgaa

60caatgagaat ctgttaccac aactgatata aactccctca gaaagaaaga tactactccc

120taatcctgga agtggttaagt ggcaataatg atcaaatgtt gtaaagggga ttgttactac

180agctaatatg aaatgggagg ctggactaaa tctaaccttt ctacccttga tttcaattct

240aaaaggacac gtactaccat tgcagaaaga aaagacagtt ccaaatgata aatttttagag

300ttgttttgcg aggatgcaag agaaattgga taagtggacc actcatagct tgctgggtgag

360atatgaaata gtagagccac tgtggaan

388

<210> 2867<211> 409<212> DNA<213> Homo sapien

ctggagtgcg gtggcaccat cttggctcac tgtaacctct gcctctgggg ttcaagcaat

60tcttctgcct cagcctcctg agtagctggg attacaggtg acccgccac ctggcctcc

120cgaagtgcct ggattgcagg tgtgagccac tgcgtccagt ctggcgcca agtttaagaa

180gagcatattg tcatggcctt acatcagtta tatgctcctg ggtaacaaac taccacaaa

240tgaagcgact taaaacagta agtcttctg catcatcatg tgggagtatg gatgtgggca

300gggctcatct ctgttactg tgctggccac gctagcaagg gcaattaaca gttggcaggt

360aggctggctt gtgcttccca ttgcccacac ccacatgggc ttccagccc

409

<210> 2868<211> 413<212> DNA<213> Homo sapien

ggcacgagga agtaaccacc attcccacct ttcactgcct aggetccaag tctgaatata

60tttttgaat aggaactccc ttttgcaaaa aagaacctg ggtgtcagt aggtgaagtg

120acttgcccta tgagcagaca gcatgccaaag aatggaatta ggctcaggat ccagcctggg

180ctcacctgt gtggctcatt cccacccagg aaactgaaga taaaagattt gggaaaacac

240accaagaaaa aggggcagtt ttctttgcc aagcatttgg tgctagttag aggtgttca

300ctctctcctg ctctctctcg gtagtagaat aaaggctgtg acacaaggaa gccagtggg

360tgggaggag gaccataat cctccctat aaccacaga agactaacct gat

413

<210> 2869<211> 401<212> DNA<213> Homo sapien

ggcacgaggg aggcattcac ccaccagtg ggaatcgga tcttactg attcagcata

60tctgccttg gtgtccctg gtgtggcagt cgggaaggca ggctccggtc gggatggcag

120ggtcgggtgg cctgaagaag ccccccaccc agcaggagg caggtatcca gttagcagga

180gaaagcaaa tgatgatag atagcgaagg gtgaggggat gtcagggtga gggcacagca

240agtgcaaaag cctgatatg ggaccaggaa aaggagctgg ggctgggccc aggtggagga

300agaggcagcc tgcaagagt ccagatgggc ccagtggtg tgtgtgtgca gaagtgcgct

360ctggctccca ggtggagtgg ggcttatagg ggtcaggaa a

401

<210> 2870<211> 414<212> DNA<213> Homo sapien

ggcacgaggg ggtgctggc cgggctagcg gggccttgcc cctgagcgg ctgagccggg

60ggctggggg cactctcag ctgcaccatg tggacgtgtg gcccctcaac ctgctcggc

120cccgggtgg gcccggtat gtggatgtct gcggcctctt cctgctgag atggcaacca

180tcttgggcat ggtgccgct tggcatagcg cccggctccg gatcttctg tgcttggggc

240ctcgggagg gcctggggcg gccgaggggc ggctgcgggc actgctgag caactgagga

300tccgggctga ggtgcangag gtggtgtggg gcgagggggc cggggctggg gaacccgagg

360cggaggagga aggggacttt gtgaacagt ggcgngaga cgcataggca gagt

414

<210> 2871<211> 398<212> DNA<213> Homo sapien

ggcacgaggg ggaacgcaca aaaaatgttt tctccaaaga agcattcggt tagcacaagt

60gatagaaacc agggaggag acagtgcatt aagacttcat cactgtttaa aaacaacctt

120gacattccag aactccacag acctgtggtg aagcaggtgc aagaaaaagt gtttacttca

180gctgcttttc atgagctggg cctccacca catttaattt ccacaataaa tacggtctta

240aaaatgtcta gtatgaccag tgttcagaag caaagtatc ctgtgtgct ggaaggcaga

300gatgctctcg tgagatccca gacgggctca ggtaaaactc ttgcctattg catccctgtg

360gtccagtcctt ttcaagcaat ggagtcaaaa atacaggt

398

<210> 2872<211> 402<212> DNA<213> Homo sapien
cacgcgagcc gagccaagat gtccaaccga gcggtttgtc gatatttttag ccacgccggg
60agctggtaca cagcctcagg accgcagctg aatgcacatc tagaagggtg gctttcacia
120ggacaggcta caattagacc tgctagagcc attattgccc cccggagaat tatcatcctt
180gggcttctc atcatgtgcc cctctctcga tgtgcacttt acagtgtgga tatatatagg
240acacctctgt atgaccttcg tatcgacctc aagatttacg gagaactgtg gaagacagga
300atgtttgaac gcattgtctc gccacagat gaagatgaac acagtattga aatgcatttg
360ccttatacag ctaaagccat ggaaagccat attgatgagt tt
402

<210> 2873<211> 391<212> DNA<213> Homo sapien
ggcacgagag gacgtggagc gctgccttcg ggacacgggt gtgcagggcg tcatgagcgc
60agagggcaat ctgcacaacc ccgcgtgtt cgagggcccg agcctgccc tgtgggagct
120ggccgaggag tatctggaca tcgtgcggga gcacccctgc cccctgtcct acgtccgggc
180ccacctcttc aagctgtggc accacacgct gcaggtgcac caggagctgc gagaggagct
240ggccaagggtg aagaccttg agggcatcgc tgctgtgagc caggagctga agctcgggtg
300tcaggaggag atatccaggc agggaggagc gaagcccacc ggcacttgc cctccactg
360gatctgccag cctacatcc ggccggggcc c
391

<210> 2874<211> 382<212> DNA<213> Homo sapien
ggcacgagcc aagatgtcca accgagtggc ctgccgagaa gccagtcacg ccgggagctg
60gtacacagcc tcaggaccgc agctgaatgc acagctagaa ggttggttt cacaagtaca
120gtctacaaaa agacctgcta gagccattat tgcccccccg agaattttca tccttggggc
180ttctcatcat gtgccccctc ctcgatgtgc actttccagt gtggatatat ataggacacc
240tctgtatgac cttcgtattg accaaaagat ttacggagaa ctgtggaaga caggaaatgtt
300tgaaacgatg tctctgcaga cagatgaaga tgaacacagt attgaaatgc attgcctta
360tacagctaaa gccatggaaa gc
382

<210> 2875<211> 386<212> DNA<213> Homo sapien
ggcacgaggg cggctgcgcc gggacatcag tgagcgcggc cgggacatcg aggggtgcat
60caagcagtac aacaagtttg tcaagccctc cttcgaccag tacatccagc ccaccatgag
120cctggcagac atcgtggtcc ccagaggagc cggcaacacg gtggccatcg acctgattgt
180gcagcacgtg cacagccagc tggaggagcg tgaactcagc gtcagggtcg cgctggcctc
240ggcacaccag tgccaccgc tgccccggac gctgagcgtc ctgaagagca cggcgagggt
300acggggcatg cacaccatca tcagggacaa ggagaccagt cgcgacgagt tcattctcta
360ctccaagaga ctgatgcggc tgctca
386

<210> 2876<211> 367<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaaggggtt tgctataaac gtgtgtttat ttagtcctaa
60tgttgttagg atgattctca cttgttattt aacctcacc tgattttacc acaggcttat
120attgacataa ttttaactta gtgcttctca agggagattg ggggtggagtc aggatgtttg
180gaattacctt ttggattgta acagactatt ggccaggcaa gctaaaagt ttgcagtact
240gatgagctgt agggggaaga attgcttcag ccaaaatgcc actagctccc cttttgaaaa
300cagtacaagt ttaacttaaa ctaaattcta atgacagtga aagttaattc ccagttatta
360tctttga
367

<210> 2877<211> 357<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agagggggat acaactaaag aaagagatac acgatgacct
60agatatatga gtgaagaaat tatccagaat gtatcacaga gaaggaaatg ggcaaaaaga
120aagagggtaa gatataat tataaacaca cacatacaca tattacataa aatgagaaag
180tgacatgtct ttcattagt ttccaagagc agaagggaaa aataatggga aaggaataga
240caatatttga tgagataata gttgagaatg ttccagagct gataaaaagc accatgacaa
300atttgagaag ctgagagaac tgcaagcaga ataacgtaaa gaaaatatgc ttctaag
357

<210> 2878<211> 376<212> DNA<213> Homo sapien
ggcacgaggg gctaccaatt tgagaccatt ggtctggtag atacactttc attaataatc
60ttactccatc actctttcta ttttttagaa gttactagta gaaatgtatg caggagtcac

120tgagacctt attaaaatgc agcttctgat tcagtgaact ggggtggggc ctgagagtct
180gcatttctcc caggctccct ggtgctgcca gtggtgctgc tctgagtaac aagggggtgg
240ggaatgatat ggagccgtcc attattatcc catctgacaa atgagtcaca gagcccttag
300gtaattgagg tgggatcagt ctgattctgt aagctgtgtt ttcagccaca acatttactg
360caaacttggg gtaggg

376

<210> 2879<211> 367<212> DNA<213> Homo sapien

tacggctgagc agaagacgac agaagggtcg gtaaagatta tttagggtcc cctgattttt
60ctaagcagtt taccaggtgt ttacataagt catggaaaaa tatggatggg acattcttgg
120aacttcatgt tctgagcagg atagtgaact cctattgtac ttgacaggat gaagtatctg
180caagatgtgc cttcaggcag ttaaataact tgacctgctg ttagaaatct tttttatttt
240ttatttttatt ttatttttgg ttattttttt atttttttga gacggagcct cactttgttt
300cccaggctgg aatgcattgg tacgatctcc gtccacacgc tctgcctcct ggggttcacgc
360cattctc

367

<210> 2880<211> 364<212> DNA<213> Homo sapien

tacggctgagc agaagacgac agaagggtcg gtaaatggt catgctggct taaatatcgt
60tttggtactct tactcctctg gtttggattt acaggatcca aaccaaggat ccaagccttt
120agttgggttaa cagttagttg attagttggc actcattttg tcacatgatt caggatgact
180gggggaaaaac aggatattgg ggtatatctt taactttttt acttctaaga taatctacag
240tttccctacc tctcgctcat accttcccta tccaagatca gaacttcaga ccgtcccat
300gggaatatga gggctgggta gaaggagag gaactgtta caggtatttc tgaatttcag
360tttg

364

<210> 2881<211> 369<212> DNA<213> Homo sapien

tacggctgagc agaagacgac agaagggtta ggtgctggga tatggctgag aacaaaacaa
60agtccccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggatca
120caggcaaaat acatggatgt tggatgaaga agaattccat ggagaaaaaa ataaaacaaa
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactggtttt
300ggttaagtct ctgttaattt gtttttcttt acttacagct gaatgaattc ctgagaccgt
360gtgtaggaa

369

<210> 2882<211> 334<212> DNA<213> Homo sapien

tacggctgagc agaagacgac agaagggtcc aggtacaac cctgcacata tatcccagaa
60tctaaaataa aatgggaaat tataaaaaaa aaagaaatta aattgtgaag aagacaaagt
120atcaaaaagac cttttctgtt agagtctaac aatgttcaaa tttagcttct tggaaataac
180tttttaaatag ctaagagcgt caacagaaaa ctgtggacta caggaaaaa actgcttcat
240atttcccga tcttctcaaa cttggtatct gcatatcaat gacttttagat tttattttta
300tggtgctgtt acttttgcta aggaagtatt atgg

334

<210> 2883<211> 341<212> DNA<213> Homo sapien

tacggctgagc agaagacgac agaagggtga cgaatagta ctcatgagaa aacctacaag
60gaaatagaca atagaatgag gcagagggtg cagtgaactg agatcacaca ttgcactcca
120gcctgggttaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca
180gatattcttg agtctttctt ctccctcata tacaggtagt catccagttc ttcaaaatct
240cggtgaaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg
300cattagcccc caccgacctc tatccacca gcatctgcct g

341

<210> 2884<211> 352<212> DNA<213> Homo sapien

tactactgct gcgcgaagac aacagaaggg acacagaata agttctatag atctaattga
60cagcatggag actacagtta ataatactgt attgtatatt taaaatttgc aaagagtaga
120tcttaagtgc tctcaccacc aaagaaagggt aactgtgaaa agagatgtaa actctatctg
180gactagagta acctcagttc actaagggtca ttatgaatat gtatatcaga acatcatgct
240atacacctca gatacacaca atttcaatta aaaaatttta aaaagaagaa atcagtctgt
300gtcacattcc agtgatcttt gtttcataca ttgctttggc tgaaggagg gg

352

<210> 2885<211> 344<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg ggaggatttt tgatttttct acctttttgtt
60gaaaaaagga atttgtactc tgtgcattgg atggacttgt ttggtacttg ggattttcct
120ctcttaaccg tcaacatcag tgttggaat ttgctaaact gattcacttt tagcagcaga
180ctttgaactg cagtcctgcc aacgttggac actgaggacg cccgacagag cttgtgcacc
240taagctgcag accaagcctt tgcccagaat ttaaggattc caatggacga cctatttgca
300cagaactgca tgctgattat cactgccttt actccttttt tttt

344

<210> 2886<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt aaaaaagaac catggagacg gatgcattaa
60ctaagcccag gggctctttt tcaatcctca tctcacttga cctgttgggt ccatttaacc
120agatctcttc ctgaaacgt ttttattttt tttttacttt gcttccaggg ttttgttaca
180tgtttctgtt acatgttaaa cttctttctg ttggagtgcc ccatggttca gtccttccac
240ttctcttttc tgccacact ctgggtccaa tttcattcag attcattcat gatgtaatat
300accacctata agctgatttc gacacttaag atcag

335

<210> 2887<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtt ccattccttg cttgatgggt tccttgagac
60aacagctggc attcacagta caggtattta gtactggagg gagcacagca gaacttatct
120tttaataatt gcattttttt ttttgttttg acctgtatgt tggctcccaa aaggaagggg
180tcaaggggtt tgcttttatt tctcctaatt caaacatac cagggttttc aacattctat
240caaaaacttt taaaggcaaa tgttaaatc actccatctc actcaaagga tagcatttag
300gagaacaat agaccaatca ataagcttgg gagg

334

<210> 2888<211> 338<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa taaccagaa aatatttctt actgttgata
60atctgcagtt tgcaagtgcg gcgaatcttg taggtagatt taccttgagt ttttttga
120cggtagaatt aatatattaa aacatatggt ttttagttaa aataggatgt taaaggaata
180gagcgcacga acaaaaaaac tttccacttg aacctatgtt gtttcacttg acagtgggta
240tggtgtccct ggcaggatag ggttccacc tctgtctggt gccggtagga cagggagag
300gtggggaaca ctgtgtctcc atctcccaag catcttaa

338

<210> 2889<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggga aaaccaacgt gttcgggtgac agaccccagc
60gccgactgag cctctaaagc gacttcagct ctgccccacc aacaccaccg cgcgccggg
120aacagccgct ccgggaagaa acctgagggg actgcggggg gcacgagga cagctgaggg
180aagggaggac gcgagagaaa cagcgcgagc acgtgaggg ccgggggttg ccaggagagg
240ggccccgcga cccgcatagc ggaggaaggt ccgggagaaa aggggcggga cggaggagaa
300tccgggatcg cctggcagaa aaagagaagg gagtttctga atcctgg

347

<210> 2890<211> 378<212> DNA<213> Homo sapien

ggcacgaggg tgcccctgct ggccaccatg ctcttcatca tgggctacgc cgtgggctgg
60ggtcccatca cctggctgct catgtctgag gtctgcccc tgcgtgccc tggcgtggcc
120tcagggtctt gcgtgctggc cagctggctc accgccttgc tctcaccaa gtccttctg
180ccagtgggtga gcaccttcgg cctccagggt cttttcttct tcttcgagg catctgcttg
240gtgagcctgg tgttcacagg ctgctgtgtg cccgagacca agggacggtc cctggagcag
300atcgagtcct tcttccgcac ggggagaagg tcttcttgc gctaggtcaa ggtccccgcc
360tgaggggggc caaacc

378

<210> 2891<211> 432<212> DNA<213> Homo sapien

cgttgctgtc ggtctttcag taggagattg gtttaataaa ttatggtaca tttcctcaa
60tgactgtgca gtcctcagaa gagattagc tgatctttac caattgacgt gaaaagatga
120tgatattaag tgaaaaaaa acaggttgcg ggctgggcat ggtggcttat gcctataatc
180ctaacacttt gggaggccaa ggtaggagga tcgcttgagc ctaggagttt gaggtatcc
240tgggtaacaa agtgagacc atctctacaa aaaaaatcaa gaaattatct ggatgtggtg

431

300gcacatgggtc ccagctacac tggaggctga ggcgggagaa tcacttgagc ccaggaggtg
360gagtcctccag tgattcatgt ttgtgtratt gcactccagc ctgagcaaca cagttagacc
420ctgtcttaaa aa

432

<210> 2892<211> 434<212> DNA<213> Homo sapien

annncaattc ggcacgagga gagaactagt ctgagagca gnnnnntttt tttttttttt
60tttttttttac aaaatgcccc ctggggccca agggggcaaaa atttaccttt gcttaggggt
120tttttttttt taaaaaacca accggtttta ataccctctc ttaccctctc ggaaccattg
180gggggaaaaa aaccttttgg gaaaaaccca tttttcaaag gaagggttcc cggggggggt
240tttaataaaa atattgttgg gaaaaaaacc aaaaagccct ttgatttaaa aaagggataa
300agggaggggc cctgaaaaac ccccccttt tttattttt tttggggggg ataaaaccta
360aaaagaaaaa gggtttttcg cccttaaaaa agaaaaattt gcccccaaa aataaccccc
420cttaaaaaa tttt

434

<210> 2893<211> 425<212> DNA<213> Homo sapien

ggcacgagga gagaactagt ctgagagca gttttgttca tctctcttt ttgtccttta
60tctctctgcc actgttctca cctcactcta aaacttggtc aggaggggtt gaaacctatc
120agaactaaag gtaatatct catctcctc aggtttttt catttaaaaa aaaaatgggt
180atattagtta aattaaaata ctgttgtaa aattattgtc aaaggggaag ggaaatacat
240ctaggggaaa catcatgtct tttaggccct ttatgtcact gaatgactta aggtctgaca
300aatgatattc ttgaaagtt taatcttgag gttttcaaat cttttttttt aatggctccc
360atgtttctca ttgtctgatt gattcattag ttgtcttaa gaagatttcg cagttggaaa
420taatg

425

<210> 2894<211> 403<212> DNA<213> Homo sapien

ggcacgagac cattcttgcc tcagcctcaa tteccattct tgcttcagcc ctgacatcaa
60cttcagctcc aacgccagcc ccagcagcct ctccccagc tgccccagtc atcacagcac
120caactatccc agcctcagcc ccaactgcct cagtccact tgccccagtc tcagcttcag
180ccccagcccc agccctacc ccagctctcag ccccaaatec tgccccacct gccccagccc
240agactcaggc acagaccac aaaccagtc agaateccact acagactaca tctcagctct
300caaaacaacc accaccatca attaggtgc cttcagctca aacacctaat ggcacagatt
360atgtagcctc aggaaaatcc atccagacc cacagtcaca tgg

403

<210> 2895<211> 387<212> DNA<213> Homo sapien

ggcacgagag aggaagcagc ggcagggcga ggacctggcc catgtccagc acccgacagg
60cgctgggct cagccccagg aggaagacag ccaggaggaa gaagaggagg atgaggaggc
120tgctcaagg tactatgttc ccagctacga ggaagtgtg aacacaaact actcagaagc
180aaggggagag gagcagaacc cgaggttgag catctctctc cgtcctatg agtcactgac
240ggggctcgac gagaccaccc ccacatccac cagggtcgac gtggaggcca gccctgggaa
300ccccctgac aggcagaact ctaagttggc caaacgactg aaaccactga aagttcgaag
360gattaaatct gaaaagcttc acctcan

387

<210> 2896<211> 405<212> DNA<213> Homo sapien

cgttgctgtc gctcgtaaatt gtcataaaat tttttaacat ttgcatcag gactcaataa
60aagcccagca tcataattga ctgaaatgtc tttttaactt cttttcatct ataagttctc
120cttctatacc ttttattatc attataatta ttattactag gtcattcatt ctgtagattt
180tccacagtca ggattttcct gattgtatca ccacggttgt aggattctag aggcttgaa
240atattaacat tcaatagttg agggagatgc aaaaccactc tctaggtggt gacgttatc
300catcagggaag cacataatgt ccaattggct atttagtggg attagcagct acttatacat
360aatagatcca gtaaatcatg agagactggc tngtattggg agctn

405

<210> 2897<211> 419<212> DNA<213> Homo sapien

ggcacgagga aataatcaac agttctaagc ctaataaaga gagctcttaa tcagctcagt
60ggtgggttaa accagctatc ttttaagaa gagaaaaaac aaacacagc aatgccctgt
120ctcttcagaa aattgtttta aaaagttagc caggcatagt tagtggccca cgcctgtagt
180ccgagctgtt tgggagggtg aggtgggaag attggttgag ccaagattt tgaggctgca

240gtaagccata attgtaccac tgcactccag cctgagcgac agagaacaag accctgtctc
300ataaataaag tgggggaagg ggtgcaaaat tacactgtga gaagccaaga agtttcaaag
360ttctatttat ttttctaagt cattcttaat cattatttg tgtttcagt tttgaattc
419

<210> 2898<211> 387<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg aaaaatctct ggtcatctcc gagaattaac
60ttgcaactgt tttctatagt gctgtcgtct tgggcaatgg gcaattacat gactttgtgt
120ttgtctcctt tgcagtcttt tttttttccc cccatttttt cctaatagga aaaaaaaaaa
180aaaaggggccc ccttgggtggg gcctatttct ggtggcgagg aactttgaag tccccaaaaa
240ttggaggggg ggttttttta ccttgggggg cggggggggc cggtttctaa tttttaattt
300tttttaaaaat ccgggctaac ctccggggga aaaaaactgg aaaccgcttt tattaacctt
360ttctttataa aaaatttttt ttttatg
387

<210> 2899<211> 411<212> DNA<213> Homo sapien

cggtgctgtc ggccacgaac acagccttgg gcccttgggt atgcgcgccg ctcttgagtc
60ggtcagatgc caaacgcaaa aaaaagcctt ctctctctaa gacacggaaa tgcaccgagt
120ccggctctga ctacccccca aatccttacg gtcccccac tcggcagcca aaatcgaaaa
180ctactctcgt ctacgcgcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc
240cccggccggg gtcgcccact tcggacggca tcccagact acccttctca aggccgtatg
300accagtcgga gctgccatga tagactctcc gaagccgggt gtgacctccc ggaccagccc
360tcgacacccg acctcctctg gtcggggccc gagcccggt ccggtctctt n
411

<210> 2900<211> 407<212> DNA<213> Homo sapien

ggcacgagaa ggccgtgggg ctggagcatg tgggtgcctg ctggggagcc tgggtcaggg
60acagggtcat ggagtgtagg ggactggacc acccagggca tgcgagtggc tgagccaggt
120tgccgggcaga ggggtggccag gggcccatgg gagcatttgc aggtgagctc cctggggagg
180gttactgtgg gcgtggacga ggctgcctgg gcgtgtggct cagggccggg cctgggtgag
240tggtgctgctg aggggtggctg atgacagaca ggtcttgggg agggaggacc gggactcggg
300atgagccctg gtctggctgg gtggtgcctg ctcttgttt tgtggtggga gactgaaggg
360gagctgaggg tttggcggca acgggccttg tccagtgggg cattttt
407

<210> 2901<211> 401<212> DNA<213> Homo sapien

ggcacgagca cagtgccctt ggagtggttc agcttatccc aggctgctga cctggctaac
60aaggggccga agtgggagaa gagccatgcc gaaattgcag aacaggccaa gcatgaggcc
120gagatcgaga ctccgattgc tgagctgcgg aaggagggtt tctggtcact gaagaggctg
180cctaagggtg cagagccccc tcgccccaaa ggtcactggg actatttgtg cgaagagatg
240cagtggctct ctgctgactt tgctcaggag cggcgttga aacggggtgt ggcccggaag
300gtggtgcgca tgggtgatccg gcaccacgag gagcagcggc agaaagagga acgggcccgg
360agggaggagc aggccaagct gcgtcgaatt gcttccacca t
401

<210> 2902<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggcaga catagggga cgcaccacca tgcccagcta
60atttttaaat ttttagtga tctgcggctc cactatgttg cccaggctgg tcacaaactc
120ctggcctcaa gtgattctcc ttccttggcc tccaaggca ctgggattcc aggcagagc
180caccatgcgc agtctcattt ctgttttata tagaacatgt tttcatcaca ctgacttttt
240tgagaagtcc aggccaatat taaatttcat tttgtcttt tatcagtgga aaagtagcat
300atttatgttg cacgacaaag atgaatcana taggaagaan atgtaaaaca catttggggc
360cgggcacagt ggctn
375

<210> 2903<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat ctgtcttttg aaacacataa acatgtacat
60acataaacat acaaatgtct ttcaacgggt tatggaatat cttatagcaa attaaagatg
120agtatgtttg tcattcaatt atgaaagatg ttgatataaa taaatttatt catatatttc
180aaaaagtatg tagggcttcc agtcaaggta aagaaacaga gaccacattt actgtcttcc
240ctataataga aaaaacccag aaaatttatg aatgactgt ttttttagac attggacaac
300aaagaacagt gacctctgag acacaggata caagatgagc cctaaaagtg

350

<210> 2904<211> 369<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggcaga cataggggca cgcaccacca tgcccagcta
60atttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc
120ctggcctcaa gtgattctcc ttccttggcc tcccaaggca ctgggattcc aggcatgagc
180caccatgctc agtctcattt ctgttttacc tagaacatgt ttcatcaca ctgacttttt
240tgagaagtcc aggccaat taaatttc tttgtcttt tatcagtga aaagtagcat
300atttatgttg caccgacaaag atgaatcaaa taggaagaaa atgtaaaaca catttggggc
360cgggcacag

369

<210> 2905<211> 372<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtag cacactgaat tatggggtgt gtgtttgtgt
60gtgtgtgtgt gtgtgagaat tctaagctac cttgtgattc tcataattag ctaggttttg
120aaactcttgt gtgatatggt ttttattttg tttttttg tttatgtaaa acgtcaatgg
180tttgctgact ctttaattctt acaattattt tacatttgaa ccttgctctc agcccatat
240atttaagtac tttgaatata catgaataaa tttagttgac cattaacagg agtgggtgcc
300aacatttctt aacctactgt gttattttta tctattttga gagatgggt cctgctctgg
360tgcccacgt gg

372

<210> 2906<211> 363<212> DNA<213> Homo sapien

actacggctg cgagaagacg acagaaggga ttctcaattg caaatgggtt aatatccaac
60tccagatggc ttccttaagc aacaaaagga gtttcttagt ttgagcagag gttgatccag
120tgagtcaata atgtcaccaa gaaatgtgtg tgtgtgctg tgtgtgtgtg tgtgtgtgta
180tgtgtgtttc catgtgtctt ttgtgccatc tatatcagtt tcacctatt gttggagagt
240gactcatgct cacatgatgg gtggcaacaa ttacagagnt aatgtttttc tcatatacat
300ttaaaatttg acaaagagac aaagagatat ctttgtctta tctcagcctt ttaattcgca
360ccg

363

<210> 2907<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gcataaattt ttgtttttt cactgatgga tctcaatgct tagaacagt
60tctggtgcat agtagaagct caataaatgt ttgttgatg aatgaacaaa tgaaagagg
120ggctgggggt atgctgtttt atataagggt gatcaaggaa gggctctctg ataagagaat
180gtttaagcag agatggaatg aagtgagggc cagaatcttg ctcatatctg gggaaagcat
240ctctgggcac aggaagagcc agtgtaagg ccctgagcca ggaacatgct tggctcttgg
300aggaacacca catctgcttg tgactgaagt ccagtgagag taggaaagag gagatgggga
360gtgaaaacag catag

375

<210> 2908<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcca cgtggaactg taagtctatt aaacctctct
60ttattttgta aattgcccag cctgttatgt ctttaccagc agcttaagaa tggattaata
120caccaccaca agaccaatca gaggcattcat ttctcccaa acttaaatg ttaactgctt
180ccccgagttg ctgattatat aattattgaa aaataaaata taaagatgca gcaatacatt
240tgcaatattt atatttctat taccataatt cccagagtgg ttttttagac ctatctctaa
300gtatatatag attcaatacc aattcaatga gttctctaac ccagagatct ttgatttacc
360ttctatgggt aggc

374

<210> 2909<211> 352<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtca ctggataaat ttattgaatc tattcagtc
60attcctgagg ctttaaaagc tgggaagaaa gtgaaactat ctcatgaaga agttatgcag
120aaaatcgggt aactctttgc tctaaggcac cgtataaact tgagttcaga cttcctgatt
180actcctgatt tctactggga cagagaaaac ctggaaggac tttacgataa aacgtgtcaa
240ttccttagca ttggcgaag agttaaggct atgaatgaaa aacttcagca ctgcatggaa
300ctaacagatc taatgcggaa tcacctgaat gagaagaggg cactccgctt gg

352

<210> 2910<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat cagcctgggc aacatagtga taccctatct

60cttaaaaaag aagaagtttt taaatttgaa ataataatag gtactggatt tatgcaaag
120ctttttctgc gtcttttgag atgagatca ggtttttttt ttttctttt atcatcggag
180gaggaactta aggttcccat ttgtattaag ggaaaactaa gcccctctgt gatttctgaa
240ccaagctatt cctaggcctg agttttattt tgttgacca aaaataaatt aaaaggccaa
300ccgtgggggc atgtccctgt agccctagtt gctgaggaaa

340

<210> 2911<211> 339<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggta ctttttatat caagtacttt gtatttagtc
60cttagcttgg gaggcaagta ttgcaaacct actgtacctt tgatgataaa agtagctaac
120gttgattgag tgctctctat gtcttgggcc ctgttctaag aactttgatg catccttatt
180tagtgcttaa aataaaccta agagggctaa gtactattat gatttccatt ttacacgaaa
240ggaaactgat ctgccaggtc acatacctag taagggtattg ttctgggctg aagaaaaagg
300atgcatggag gggagtatct tgccaagggt cacgttatg

339

<210> 2912<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatg tgacatggac tcatgcaaag agcagaatct
60tattcaaagt tgagcattcc cgtttatgaa ttttatccag atactctaag ttgtcaatgt
120gaaccctggc cagtaatctt cagcaggac agtattattg cttttcatgt aaaacctcaa
180ttattaatag ttttaaatga caattttctt ttagtatatc taaaaatatt ttgttcaaat
240ataatcaagt ggaaaatatt ggacagaaat gagtcacca caaaaagtat cattgaaact
300aggggaatta gagctttgaa tataaacttt ctan

334

<210> 2913<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa caacttaaag acgaaataaa gaaaaaagat
60gaaaagatcc aactattaga acttcagctt gcaactcagc atatctgcca ccaaaaatgt
120aaagaggaaa aatgcactta tgctgataaa tatacccaaa caccctggag acgaattcct
180ggtgggtatt ctgctccctc cttctctcct tggcagggtc ccttccaggg gatccacgg
240actgttccac cgcaccgag acagacctca agtactacag ccttccagca gccttccag
300accacagat cacaccaggg gaaaactaat aaagccacaa cgtt

344

<210> 2914<211> 337<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat tctgtaactt ctgcgttttt tcatctgctt
60gatcaaggca ttttggatgt actgctaagt gaatatggca ctgttttacg gtttatgtg
120cttctgttct tgccacagtt gttgcacagt ggtaattgat gttttctctg gtgccacact
180ttttaataat ctattggaag ctcatccctc ctccccatc ataaccatat tcagcaccca
240ttttaaatct acttttcttc cttatttggt ctacagaggt tgatggcgta aattttccta
300cttgaagaa attactttat cagttaattt cagggtt

337

<210> 2915<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc ttccgagcc cgcttgacc tcggcgatcc
60ccgactccct tctttatggc gtgctcctg tgctgtgggc cgaagctggc cgctgaggc
120atcgctctca ggcctgggg agtgatcatg ttgtaatcca cccaccgcca cttcaagaag
180aaatgatatg aagaagtgcc ggttctccct cccctcttcc gcactgtccc gtgatgatga
240cgctccaga gaggacgata atctgggttc ctgggagaga tggcttgggc actattccca
300cccttgctc gaccacttgt ctcaatgtca ccacctcacg cc

342

<210> 2916<211> 390<212> DNA<213> Homo sapien

ggcagaggc aatctgggat ggtgaatttt atgtatccac ttgactgggc caggggctac
60ccagagattt agtcaaatat gatactggga gtttcagtga gaatgttctt aaatgagatt
120gacattggaa ttggttagact ggggaaagca gatggccctc cctaatatgg ggggtggggg
180gtgggtggcg cttcatccaa ccagggaag gctgaatag aacaaaaagg ctgagtaaga
240gagagtctct tctgctgac agcctttgag ctgagacact gctttttggg ctgagctgaa
300acattggctc cttctgggtt tcagagcctg ccagtcttca gactggagct acaccacagc
360ctcctgggt ctcaggcttg tagactgcca

390

<210> 2917<211> 367<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggta gtcagaaaag ggtcattgtt tttgcattgt
60tgtaaatctt tttaatggct cgcttaatat aacatagcta gattctcatt tacttctct
120ttcagtcgtg aaaactatta catgtcatga agcctctaga aaactcagct cagcggggcg
180cggtggtca ggcctgtaat cccagcactt tgggaggccg aggcgggtgg atcacgaagt
240caggagatcg agaccatccc agctaacaat ggtgaaacct tgtctctact aaaaatacaa
300aaaattatcc gggcatgttg gtacacgcct atagtccag ctgctcggga ggctgaggca
360gaagaat

367

<210> 2918<211> 412<212> DNA<213> Homo sapien

cggtgtgtc ggccacgaac acagccttgg gcccaagtgt gatgcgcgcc gctcttgagt
60ccctcagatg ccaaacgcaa aaaaaagcct tctctctaa agacacgga atgcaccgag
120tccggctctg cctcaccccc aaatccttcc ggtcccccaa ctggcagcc aaaatcgaaa
180actactctcg tctcagcgcc cccgctgttg attactgcc attcgcacg ggcgcctgcy
240ccccggccgc tgcgcgcgac ttcggacggc atcccagac tacccttctc aaggccgtat
300gaccagtcg agctgccatg atagactctc cgaagccggt cgtcacctcc cggaccagcc
360ctgcagcacc gccctcctct ggtcggggcc ggagcccgcc tccggtctct tc

412

<210> 2919<211> 394<212> DNA<213> Homo sapien

ggcagcaggt gagacaccgt ctcaaaaatt aacataaaca aaacaggtca aaaatcagtt
60gcacaagttg tatgaaacca ggtattctgc agctctgtct cttgtttatt aagatatgca
120cagttttctga atcaacaaat atatctgtga ttcttttata ctactacata aaagaacagg
180agtaattctt gccttataaa ttaaatgtca aacatttctt atatgtaatc atttgttctt
240aaaatatgat ttagtcccag catgcttacc cctgttttct ctttttctct ccagctccta
300tctagtctt caacaaatcc tgtcaactct accttccaaa tgcctcttga atccagccat
360ctcaccacct ccaacactac caccattttt ctg

394

<210> 2920<211> 448<212> DNA<213> Homo sapien

gcaggatccc atcgattcgg gctggtgaga cagatcccc tctaagaaa atgtatgtc
60tcagacaggt aaccactgct gctactgttt ttatttgttt gtttgttcaa ttttatttaa
120gatttgtttt tgttgtacta ggattttaaa aaatgtaata tattgcagga tttataacca
180ggttactga ctgcttgctt gctttctttt tttttttttt tttctccaa aaaaaacaa
240accaaggttt tttttaaaaa acttttagcc cctttggac ctggattttg gaaaggttcc
300aaaaggggac aaaaatctgc tgtggaatt ttttattttt cggggttaa ttgaaaaggt
360ttttattttt gtttgaatt ttggggggga tttttatttc ttttttccca agccctttt
420gccatcctgg ttgggggggg gggccaac

448

<210> 2921<211> 347<212> DNA<213> Homo sapien

tacggctgct tgaagacgac agaaggggaa ctacgcatag cggacttttt tgtgcaacta
60agcattgatg ccctgggagc tctttgagct gtactgacag cattggctgt ccccatctgg
120cttttctcat ttcttaagta gttatgtggt ctccaggagg cagncactgc tctgtccgta
180ttgtcagtat ccttgatggt cctctttatg gtttgacact ggaagacct gcaactgttc
240acttgggctt ttttgaaatg ctaagaggct tggatacctt ttttagatgt accaggaaaa
300gaaatagtct atgccttgca gtaactctt aattctacca gtggggg

347

<210> 2922<211> 402<212> DNA<213> Homo sapien

cggtgtgtc ggggggtccc accccgateg caacgcctgg gcctctcctt ctctgtccc
60cagggtgccc gtcgcaggtg ccctggccg gagatgggt aggagggcg agcgcgagaa
120gcccccttct cggcgtgcc aaccgcccac ccagcccatg gcgaaccccg ggctggggct
180gcttctggcg ctgggctgc cgttctgtgt ggcccgctgg ggcgagcct gggggcaaat
240acagaccact tctgaaatg agaatagcac tgtttgcct tcatccacca gctccagctc
300cgatggcaac ctgcgtccag aagccatcac tgcctatcgc gtgggcttct cctcttggc
360tgccttgctc ctggctgtgg ggctggcact gttggtgcg an

402

<210> 2923<211> 371<212> DNA<213> Homo sapien

tacggctgcy agaagacgac agaaggggta tctactgagg cccctctctc agggagctag
60atttctcag ggtgcctgtg gagagatgaa ggcactggct gtggagcctg atgggcctgg

120gttccagctcc tggcctcacc actttgagct gtgtgatctc gggcaacacc ctgaagctct
180tggatccct gttctctctg ggcggggaca ttgtctgcct cacagggcaa ttgtgagggg
240tgaaggagat gttacgggcg gttgtaagca gcggttaca aagctgctcc tctcccccata
300caggggggtga gcttcattca ttcattcttc ttatgtcagt ggcctccagt gggaccccc
360atgccaaaggc c

371

<210> 2924<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc cgctgccttc ctggagcagg acagtcaggg
60agctcactgc tttctggagg aggaatgtag gtgagaccgg gacaggaagg ggtatgggtg
120cccacaaccg gctgatgtga aggagtccca cttagggatc caggaacagt gggaatagca
180ctgctggggg ccaagagggg cacttgctcc atgggcccac gcagtctaga caccttgggg
240gatgagggag cctcccttggt tgtcaggaga gccctggggg cccccacaca cagtgaggga
300aggggaaaac ccacagcact tgcctcaagg ctgcaggttt tgaagacctt

350

<210> 2925<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggac ggcgcccggag agatggcggg gttggacatc
60gggcagcact gccaggtgga gcattgcccgg cagcgagatt ttctccatt tgtgtgtgat
120gattgttcag gaatatcttg ccttgaacac agaagcaggg agtctcatgg ttgtcctgag
180gtgactgtaa tcaatgagag actgaagaca gatcaacata catcttacc atgtctcttc
240aaagactgtg ctgagagaga acttgtggca gttatatgtc cttattgtga gaagaatttt
300tgcctgagac accgtcatca gtcagatcat gagtgtgaaa aactggg

347

<210> 2926<211> 345<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaga caaaatagta ctcatgataa aacctacaag
60gaaatagaca atagaatgag gcagaggttg cagtgaactg agatcacaca ttgcactcca
120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca
180gatattcttg agtctttctt ctccctcata tacagttagt catccagttc ttcaaaatca
240cggttgaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg
300cattagcccc caccgacctc tatccacca gcctctccct gtggc

345

<210> 2927<211> 346<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg cacaagacgg gatggcaagg gctttcagac
60gcatttccaa gattccagca agccaggggg aagatgatcc ctttgccgaa gcgtaccctc
120tagccaactt ttgggagcgc ttctgtttgc aaagcgtgg ggatgtgcct gtctctgtgt
180gaccacgaa cgggaagggg gagcactgga gtaatgacac ttctgtctgt gctttgatc
240tcaaggctga tctttaaacc cctcgcttg ctgacaagtg ctttaaaggc agtctgcac
300tttcttcccc ttggtgtggg agaggtaaac actttgattt gctgan

346

<210> 2928<211> 341<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggctt gcctattttt aatattatta aagcctttct
60ccttcagtag tctattttct tagaataaca actcttttat ctattctgaa ctctattttt
120tttctttttt aagagacaag gttttgtctt gttgcccagc ttggactcga actttcctgg
180gtcacaagca cctcctgcc tcagccccc aagtagctgg gactaaagtc atgtgccacc
240acaccagct tactctgaac ttttatgaca gatgattgtt ttttgtttt aatgtagaaa
300tgagacaagg gtacaaattg gaactaaaaa ttgacattgt g

341

<210> 2929<211> 343<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca caagacggga tggcaagggc tttcagacgc
60atttccaaga gaccagcaag ccagggggaa gacgatccct ttgccgaagt gcactctcta
120gccaaacttt gggagcgtt atgttgcaa agcgtgggg atgagcctag ctctgtgtga
180cccacgaacg ggaaggcaga gcaactggga actgacgctt ctgctgctgc tttgattctc
240aaggctgac tttaaaacc tcgccttgct gacaggtgct gtaaaaggcag gctgcatgtt
300tttcttccctt ggtgtgggag aggtaaacac ttagatctgc tgg

343

<210> 2930<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca caagacggga tggcaagggc tttcagacgc

60atttccaaga gtccagcaag ccagggggaa gatgatccct ttgccgaagt gtaccctcta
120gccaactttt gggagcgctt ctgtttgcaa agcgcgtggg atgtgcctgt ctctgtgtga
180cccacgaacg ggaagggaga gcaactggagt aatgacactt ctgctgctgc tttgattctc
240aaggctgac tttaaaacc tcgccttgct gacaggtgct ttaaaggcag tctgcatctt
300ttcttccctt ggtgtgggag aggtaaacac tttgatttgc tg
342

<210> 2931<211> 400<212> DNA<213> Homo sapien

cggtgctgtc ggcgtgtgag tgtgtgttcg cgctcgtgcg tgtgtatgtg tgcgtggggg
60gggagagaat gcacaaacac tcgaggtggt ttgtatattt gactgggtgaa tttcatagtt
120gtttttctgg ggttacttag aatttgagag tccgcgagaa gcattaagaa gaacattact
180gataaaaaag gaggggtggg aagcccctac acttctcccc gagggatatcc ccgctgcagg
240cttctttata tgtttggatt cccagacct cttgttttga ggcgtgatat aaattcaccc
300ttcatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gacgagacag
360cagtgagcag acgagaatgc ctgctctcct ggagccacaa
400

<210> 2932<211> 417<212> DNA<213> Homo sapien

ggcacgagag gattcaaacg aggcacagtg gtgtacactt aaagtcccag ctactagga
60ggctgaggca ggaggattgc ttgagcccag gaggccaagg ccagcctgag caacatagtg
120agactccatc tctaaaaaaa aataaaaaata aaaataaata aaaaatacaa ctaatggaaa
180gggcaagaaa aaaaaagaa aaaaattaaa agtgattcgg agcagtattc ctgcaaaaag
240ctcccgccgc atgtatattt acagaaaata tgtacatgca gcaggcccaa agggccacaa
300agggcaaagg gcttctgtaa cagttcaagc ctctggctga cccagggact ggctgcttca
360cacttgcccc catggctcca aaggggtagg agacaggttc cctcacaccg gaggcaa
417

<210> 2933<211> 404<212> DNA<213> Homo sapien

cggtgctgtc gattcagtat aggccatgct cctttttatt aagatgcaat tttcagaata
60tgtagactgg cttagatgaa atttgatcaa tttatttagt tgcctctctg cgtttgctaa
120aagtgcagtg gtgggtggca tcacacagtg gtcggagtca gaactggctt ttgataccag
180tagttgacct ttgacaagta tttagtcttt ttaattgtag ttacctact ggaaattaag
240gagaaaataa caataacctt tttcatagca ttgttgggta gattaaatga aataagtaag
300atgcctaata tgatacttag cacagagtga acacttggta aatagttatt gttagctaaa
360aggcgtagtt tccttgatgc ccaaatggaa gattccattt cagn
404

<210> 2934<211> 389<212> DNA<213> Homo sapien

cggtgctgtc gttcaaacct tccaacggaa cttgttttgc ttttgatttg gtttaaacct
60gagctggttg tggagcctgg gaaaggtgga agagagagag gtcctgaggg cccagggct
120gcccgtggc gaaggaaatg gtcacacccc ccgcccacc caggcgagga tctgtgtgac
180atgctcctct ccttggctcc ggggagaagg gcttgggggt acctgaaggg aaccatcctg
240gtgcccaca tctctcctc cgggacagtc accgaaaaca caggttccaa agtctacctg
300gtgctgaga gccacgggcc cttcctccgt ttttaagggg aagcaacatt tggaggggat
360ggatgggctg gtcagctggt ctccttttc
389

<210> 2935<211> 399<212> DNA<213> Homo sapien

cggtgctgtc gttccccag gggcccctga gttcagtcct gtcgctctcc agcagacgcc
60ggcttcccgg ggggtggagg ctcacctgag ttcagtcctg tctgtctcca gcagacgccg
120gtcctctggg ggcgggaggc tccgggcctc ccagaggtg tttccattct gctcccattg
180ggcctcttca ttttgcgtt gtccctcct catatacact ctctttcatt tttaaaccat
240aattactgta gacaaattta aaatacaaaa atgttaaaaa gcagcaagaa caatcttaat
300ctttttttt ttttgaaacc gccctgcttt gcccccccg ttggaggcca ggggggcac
360cccgtttcat tgaggcctca acctctgggg ttcaagcag
399

<210> 2936<211> 403<212> DNA<213> Homo sapien

ggcacgagag cgaccggtta tctcttttt ccccttgcc tggctcctgt ggtggcaggc
60tgggcacgag gaccatgctg ggccggagcc tccgagaagt ttctgcggca ctgaaacaag
120gccaattac accaacagag ctctgtcaaa aatgtctctc tcttatcaag aagaccaagt
180ttctaaatgc ctacattact gtgtcagaag aggtggcctt aaaacaagct gaagaatcag

240aaaagagata taagaatgga cagtcacttg gggatttaga tggaaattcct attgcagtaa
300aagacaattt cagcacttct ggcattgaga caacatgtgc atcaaatatg ctgaaagggt
360atataccacc ttataatgct acagtagttc agaagttgtt gga

403

<210> 2937<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggttg ggaggctgag ggaggagaat cgctcgagcc
60caggaggttg aggctgcagt gagctgtgat catgctactg cactccccgc tgagtgcag
120tgagaccttg tctctaagta aataaatgtt ctgagatttt tttctatat tccaatggat
180catcttatgc atccccagag gtgcatacac aactctttc aagaccaatg atctatataa
240attatacgat ctctttatta ttataagaga agggctcac tatgttgcc aggctggatt
300caaactccta ggcttaagt atctctctgc ctacagctcc caagtagctg ggactacagg
360cacacactac cactcccag

379

<210> 2938<211> 388<212> DNA<213> Homo sapien

ggcacgagga aacaaaaaca aattggcctc tgggttgac aaaggtgggg gagggccagag
60gagctctgca aaagctttga aaactaaatt gatcttagaa ccagagccct gctggccaca
120gaaagtgc at cctgaateta aacaggttga gtgcctgcta atacagaata tttaaacagg
180aactacagtc tcataacata aactcaaaag tgtccaggat aaaattaaaa cttactcctc
240atactaagaa ccagaaaaat tcgaatccag aaaaattact cctcatacta aaaaccagaa
300aaaatctgaa tgaggaaaga caattaacac taagatgaca aaaatgttgg aattattgca
360tagggatttt agatgagcta tcttatan

388

<210> 2939<211> 374<212> DNA<213> Homo sapien

ggcacgagat aacacttgcc acaacttggg aaattccatg ggtctatgcc acattgctcc
60cagagtaatg aggcataata gtgctctgtt atagaattgc ttgtttcaca atacatcatg
120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc acaatatgta
180atgctcgtct tccagggggg ttcagtctaa ggtaatctct accaggaaga aaagctagat
240gaccttagac atgtgcattg gtttggacct tctaattagt tgaattttta cttattttga
300catgagagat tacatagaat ctctatgttg cccaggttgg tctccaaatc tgctcaaaca
360atctctccgc ctca

374

<210> 2940<211> 378<212> DNA<213> Homo sapien

ggcacgagga ccacacaggc cgaatccggg tgcattggtat tggcgggggc cacaagcaac
60gttatcgaat gattgacttt ctgcgtttcc ggctgagga gaccaagtca ggacctttg
120aggagaagg taccacagtc cgctatgac cctgtaggte agcagacata gctctggttg
180ctggggggcag ccggaacgc tggatcatcg ccacagaaaa catgcaggct ggagatacaa
240tcttgaactc taaccacata ggccgaatgg cagttgctgc tcgggaaggg gatgcgcac
300ctcttggggc tctgcctgtg gggacctca tcaacaacgt ggaaagttag ccaggccggg
360gtgccaata tatccgag

378

<210> 2941<211> 387<212> DNA<213> Homo sapien

ggcacgaggc atcaactatg gtggacatgt tacagatgac tgggaccggc gcctgctgac
60cacctacatc aatgattatt tctgtgacca gtctctatca actcccttcc accggttgtc
120agcactggag acttatttca tcccaagga tggcagcctc gcttcttaca aggaatacat
180cagcttattg cctggcatgg acccccctga ggcccttggc cagcacccca atgctgatgt
240ggcctctcag atcactgagg cacaacccct ctttgatact ttgctttcct tgcaacctca
300gattacaccc accagggctg gaggccagac ccgggaagag aaggtccttg agttggccgc
360tgatgtgaag cagaagatcc ctgaaat

387

<210> 2942<211> 465<212> DNA<213> Homo sapien

cggtgtgtgc gggcatggtg gcaggtgtct gttatcccag ttaggaggct gaggcaagag
60aatctcttga acctgagagg cggaggttgc agtgagccaa gatcgcgcca ttgcactcca
120gcctggggga caagagttag acttagcttc aaaaaaaaaa aagaaaaaaa aattcgggga
180tttggccaat atcccatttt tttgttaacc ccaaggccct taaaaataac ccggaactta
240agggactggg aattttgggt taaaggggcc ctccggggaa ggggggggaa cactgacttt
300ttgacctct ttgaaaagat aaaaggaccg gggccctggg gggaaccct tgtgaaaagg

360ctcgggaatt cagaatggcc taaaaaacct cccccacac cggcaaaaaa naaaaaaaaa
420aaaaaaaaaa aaaaaaaaaa annnaaaaaa aaggggccgtt gttgc

465

<210> 2943<211> 442<212> DNA<213> Homo sapien

caccggcttg ctcgtttggc cgatgcggcc tacgggtgtg agaatacgac agaaggggga
60cacaaatggt aaaattagca aagacattaa gatagcttta tgactgtatt ctagatgttt
120taataagtca aatagagcca tagaagaaat ttaaaagact caaactaatt cctagagatg
180gaaactacaa tgtctgctgt gaaaaatata ctggatggga ctagtggtag attcgccatg
240ataggagaag tagattagtg aacttcacga cacagcaata aaaacatcat gatggagcag
300aaaaaaaaatc caaacctttg aaaagagctt cattgagctg tgggacaatg tcaactagca
360taaaaaaat tttgagaaat aatagctaga aatatctgaa ttgatgaaac tataaacccg
420agatcaaagn gtgaaacaag cg

442

<210> 2944<211> 468<212> DNA<213> Homo sapien

ccttaaggcc ctggcccccg ctgcgtccgc atcactctgc atcagcactg ccggcccagt
60gacaccgagt tccaccccat cggcttccat atcttccagg tcccagaggg tggaaggagc
120caggacgcac cccactgct gctgcaggag ccgctgctga gctgcgtgcc acatcgctac
180gcccaggagg tgagccggct ctgcctctg cctgcaggca cctacaagggt tgtgccctcc
240acctacctgc cggacacaga gggggccttc acagtgaacca tcgcaaccag gattgacagg
300ccatccattc acagccagga gatgctgggc cagttcctcc aagaggtctc cgtcatggca
360gtgatgaaaa cctaacaggg tggcccccctg tgccagctca ngtgactgga gcccagagggc
420ctgacagggt cccagcagct gggccggcca gccttgact gtgggggt

468

<210> 2945<211> 406<212> DNA<213> Homo sapien

ggcacgagaa gttgggggca ggggaggcgg ttcataagg cgggctctac atgacttaac
60ccttgcttgg catggcctta agccctgttt acaatttggg atcttattgc cacagtgtct
120gttctgtcca tctcatgac cctattttgt tcattcatgc tcggcagctg cgtctaaacc
180ataaagggat ggggtataac aagttgcac tgacctcca acccatcac gccaggaatt
240gttttaagtt ttttctgaga ttccctcggc cagaggtgg catctgctca atcgttgggg
300ttttatgatt tttagcttac ataactgatt tgataatcca gggcatttgt taccgcgtat
360ccaggcgaga ttatgactca actatttagc acctccatct caacag

406

<210> 2946<211> 407<212> DNA<213> Homo sapien

tttgcaggg gaaaacattc tgcttttagg tagtttcaaa attcagggga gggagcctga
60aatttttgcc atgattgggt tggtagaaag agcaggcatc agactacttc tgataaaatt
120gtttggaagg tcacgacctc gcaaaaactt ttcaagagca acaaggaaga attctgctgt
180gaagaacaca gtgtacggat cctccgcata ttatctcaac agaggacagt agctcaggag
240gcagcttcaa acggtgacct gtggcctggg ccattctctc gtcattgtgt tcaactttcc
300ctgtttccct gtgaactggc ttccatgggt ctgtagggtg gtgaagtcgg gttgtggctg
360cagcagagca agagatgctt gcccagtggt gagcaacca ccccgct

407

<210> 2947<211> 380<212> DNA<213> Homo sapien

ggcacgagat aacacttgcc acaacttggg aaattccatg ggtctatgcc acattgctcc
60cagagtaatg aggcaaaata gtgctctgtt atagaattgc ttgtttcaca atacatcatg
120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc agaataatgta
180atgctcgtct tcgaaggggg ttcagtctaa ggtaatctct accaggaaga aatgctagat
240gacttttagc atgtgcattg gtttggacct tctaattagt tgaattttta cttattttga
300catgagagat tacatagaat ctctatgttg cccaggttgg tctccaaatc tgctcaaaca
360atectcccgc ctgagtttct

380

<210> 2948<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa cacatttttg atcatgcata ttttgatttt
60taaatattat tggttagaaa ttgaacaaa gtcaccata cattttctaa cttccagaac
120tctacttatt atatatcttt tgctttatag cctgaaataa ctctatagcg aagtaattta
180caagaaatgg tctattatga aaagcaggct ttaaagcata aaaatttttt ttataggaaa
240tatgcatgat tataaaacaa cctgattttt attttattgt tcataaaaga gactaatatt

300gggtgcatgtg ctgctgtaat ttgttgtgta ttatgtgtgt agggaaactg cccagcttgt
360agccagcttc ctca

374

<210> 2949<211> 407<212> DNA<213> Homo sapien

ggcacgagaa ttgctgtgcg tggggcacgg acggacagcg aggtatagag agtggagaga
60agggccgcagc ccagctgggc ttccaggtgg gagctcagcc tccccatctc tgccgtggaa
120gggactcaga ggtgtcaggc caagcatgca ggcaggcttg tgacaaactc cttggccagg
180agctctgaga attagcttca cttccctcag aaatgcccc attccctcct ggaagaggag
240ctgtgtgaca gctcaggcca gggggtcggg actcccccca tctcctccgc acacacatac
300ccctgcacac ataccagcc acgtacagct ggggtggctgt acgcaagtca tttttctact
360ctgagcctca gggctcttct ctgtccacct cccccagga ttactgg

407

<210> 2950<211> 387<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt ttgagagtga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gtgtgggagc cctctcctct tgtgtgctct ccccccccc cgctctctca ctcttatgtg
180gggggggagc cgctctctct tttttttgtg ggggtgtgtg gcgctctccc acacggggct
240ctctctctga gagtgcgcgc tctgtgtgtc tgtgtatata ggggggggtg tgtgtctctc
300tgtgcgcccc ctgtccctag gcagagagag agtctctctg tgtgcgcgcg ctcttttgtg
360tgtgcatatg tttctctctc ccctctc

387

<210> 2951<211> 400<212> DNA<213> Homo sapien

ggcacgagac actaagatgg ctgccgttgc catgacaccc aaccctgtgc agacccttca
60ggaggaggcg gtgtgcgcca tctgcctcga ttacttcacg gaccccggtg ccatcggtg
120cggtgcacaac ttctgatgca gatttttagct gagggatttg gaagccattt ggggaggcag
180gctgggccaag agggtagagc tgggtaataa atgtctattc tcctggggag gagggattct
240aaacttttct tccgtcctca atttctacct ccatagaccg gccagaattt agcttcactt
300gagagagatc tgggaatggc gccatgattg aaaccacgca ccattacatc atcattacat
360taattacatc aacataaatt atttcttccc ccttcccttn

400

<210> 2952<211> 395<212> DNA<213> Homo sapien

ctttaagatc atcttgggaa ttctcttcac tttttctttt gggagacctc ttatttctgg
60atcccaggtc ttcacatttc ttggtttact tcttttattg gtggactaca tctccacat
120gggaggtaaa ttgttgaaac cttgcatgac tgaaaacttt attttaattc caccctcaag
180ggatgatttg gctaggatg gaattctagt ttggaaataa tttgctctca gaattttaaa
240cacattctcc attgcctcat agttttggcg taaatgttga gaaatacaat gccactttta
300atttctgatg ctttgcattg gatctatttt tctctcaagt agcttttata atctccttat
360ccttgatatt ctgaaaattc atgatgctgt gcctg

395

<210> 2953<211> 418<212> DNA<213> Homo sapien

accgatgctg ccggaataga gaaaacatta tctgtatgag ctcttctcga tttacatga
60attggcaaaa ttcaagagc tgattcttca acaataaat tacttaaaaa cggatggaca
120gggaacctcg taaagccttt atcaactgca atgtatggac ttctatactg aaatgtttac
180agatgaaatt atatgatgac tgggatttaa aagaaatcct acgatagcca ggtgtggtgg
240tgcattgccag ctactcaaga cgctgcggca gaattgcttg aaccaagag gtggaggctg
300cagtgcgcca agaccacacc actgcactac agcctgggca acgagagact ctgtctcaca
360aaatataaat gaaaaactaa aagttattct atgagtggcg gaaagaacag attacaca

418

<210> 2954<211> 394<212> DNA<213> Homo sapien

cgttgcgtgc gagctcagga ggctgagggt gcagtgaccc gtgatgcac cactgcactc
60caacctgggt gacagagcca ctgcaaagca ctctgtttag tcatggtttc ttttatgtat
120cttttcatgt attgacctta aaaaagaatg tttctgaata tgcctttaat ctgacaaacc
180accaccttaa tattctttta aatcagttt gaggctacag ccatgccact gtgaatgtgt
240ctgatctcat gtgatcatgg aagctaaagt gagtttgata tgataaatat atgcaacgta
300acttttaata taacttttaa aaatatgttt ttaaggccag atatgggtggc tcacgcctgt
360aatcccagca ctttngnagg ccaaggtggg agga

394

<210> 2955<211> 407<212> DNA<213> Homo sapien

ggcacgagca gctactcggg aggctgagac aagagaatca cttgaaccca gaaggcagag
60attgcagtga gctgagatca tgccactgca ctccagcctg ggtgacagag tgagactcca
120tctcaaaaaa ataaaatatt gtggtattgg cacaggagtg gacaactagg tcaatctagg
180aacagacctt ttggaacttg atatacatga aatgactcaa ccaatcagtg aagacagggg
240ggatgttcac tgaatattgg agaaaactga actcccccat acaaaagaaa acagatttcc
300actttacaca cactcaaaat taaatttcag attaaatact aggatatttt taatgattta
360ttaaattttt ttttggtaga gacaggggtct caatatgttg ctacgcg

407

<210> 2956<211> 412<212> DNA<213> Homo sapien

cgttgtgtgc gggcaggccc ctgtaatccc agctaattgg gaggtgaag caggagaatt
60gctcaaacct gggaggcgaa gattgcagtg agctgaaatc acaccactac actccagcca
120aagcaacaag agcaaaaact tctgtctcaa aacaaaacaa aaaaagagta ttcattgtga
180ggacaaacaa tacaaatagc aagaggggtg tagtaccttt acttgtatca cagatacttt
240tgtaccatt ttgcactaga ggaaaccat gaagcagttg ctcaaatgtt gttcaacacc
300agaaaattta tattggagaa aagcactgta aatgtaatgc atttgtgaaa acatttttta
360aaaaactaca gcttagaaaa taccagaggc ctcatactaa aatatatttt gg

412

<210> 2957<211> 407<212> DNA<213> Homo sapien

ccgtgacctg cctgggcgcg gggaactgaa agccggaagg ggcaagacgg gttcagttcg
60tcatggggct gtttgaaaag acccaggaga agccgcccac agaactgggc aatgagtggt
120cattgaaagat aagaaaaggaa atgagagttg ttgacaggca aataagggga tccattggag
180tctttggctg aatactaagc tgtgcatgct tagagtgaat tttcaagaga ctgggcaaa
240aacaattact aggaacagaa caactaccag gaagctgtaa gctgaataat tcttagagct
300aataaaggat tgagaagtgg ttgagctctg atcagacaca gaaaagagac tttgttgaa
360ctctgggatg ttcaatagag acctcagaag agtcacacct tattaan

407

<210> 2958<211> 328<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtct ctgcattaaa caggagcttt tctaatatgg
60ctggaaaact ttgggggtgg attagagatt ttaaggatc ttatggcaag ctttggctgg
120tagagtacaa gaactctagt gtgtctttta ttgggggttt ggggggtgctg ggaactatga
180cattacaaag agccactaat tgtaactga aggaaaaaat actggtcaat gaagggaaac
240ttaactataa aatcaactta gtagaataa accattaagt ggtactaata tgggcaggca
300cagtggtcag cagctgtaat tccagcac

328

<210> 2959<211> 344<212> DNA<213> Homo sapien

tacgggtgcg agaagacgac agaagggtct gtgtggcaca cagagatgag acctactcaa
60tctgacttag taaaaccatg ctgtagaatt tttgtcttaa aaagaccaca taccagcac
120ccatgaaata aaagattcat ctgtaattgg gattcaaat gattaaattc ctttgttcat
180actcataaat agcactaaag tgttataaca ttttcattta cctattttta gttccttcat
240tttaacttaa taaaaatctt ggattgatat tctttttttt tttttttttt ttttttggga
300aaaaaatttt ttttttcccc ccgggggggg aaaggggggt tttt

344

<210> 2960<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa cttaacaaca ggactagcag agacttagct
60gaacagtgtg taaagggtatt agaactgata tgtactcgtg agtcaggagc agtctttgag
120gctggtggtt tgaattgtgt gcttaccttc attcgtgaca gtggacatct agttcataaa
180gacaccttgc actctgctat ggctgtggtg tcaagactct gtggcaaaat ggagcctcaa
240gattcttctt tagaaatttg tgtagaatct ctgtctagtt tattaagca tgaagatcat
300caggtttcag atggagctct gcgatgcttt gcatcactgg

340

<210> 2961<211> 388<212> DNA<213> Homo sapien

ggcacgaggt ttcaaacctc tgggctcaag cagtcctcct gctcagcct cccaaattgc
60tgggggttaca ggcttgagcc actgtaccca gccatcaat aatttttgcc tgaacaatt
120tttattgcga tctttgtgtt gagagtcctc catggatctg ttgtgtgctt acatgtcttg

180ctgggtgtgc caagaatgca aggcccaaga atgctcttta ttgggcctt ttctcaggg
240tgtttacaca gctggaatc ttcagagaca agttaatgtt tctcttga caaagagcag
300gcttgccac tgcttggtat aaaaacaata gatttcagcc gggcgtggtg gctcatgtct
360ataatcccag cactttgatt tttttttt

388

<210> 2962<211> 403<212> DNA<213> Homo sapien

ggcacgagag aggagctcag agaggaacgg agaggcagac agagggaaac aacgcagaaa
60gaaacagagc caaagccaga gtgtggggg agccggagga agaaacaaa acacacacat
120gtggagtcgg aacgacacag gcagagaggg acagagtcgc agcaatccag acagaaagag
180acacgcagaa agaaacagac agtgacagag aagatggtag cctctctgcc ctccccaaac
240accttgcccc actggtcctg gctggcggca ggggactcac aggcccttga cctatgcccc
300gtaggggaag agacaggact tttctcaga ggccttcaat gagacccat tccccaaaag
360gttggtctg acacacagca gccatggtgt ccacggcccc cat

403

<210> 2963<211> 393<212> DNA<213> Homo sapien

tccagatgca gctgcagccg cgcaggcagg agccaggagc aagtgggagc cctgcctctt
60ccaagtggc ggggtgggag ctcccagggtg cagctgtggc tgcccccca ggcacaggac
120gagggcatct ctgcagcctg caccatcgcc catcccagga aggacagccc ccttcaccct
180ccatccctgc aggttcagggt gtgtctgctt cactgctg gcctctctcc actccagcaa
240ctgctctgat cttggagggg agtcggagcc aagacctgca gccatgaatg gcagcaggag
300gaaagggggg gggnnccan naaggcccc cctcangcc agggagggcc tgaattctg
360gggctgggt gccagtcct ctgaccagag agg

393

<210> 2964<211> 423<212> DNA<213> Homo sapien

ggcacgaggt tcaataagg tgtaattgaa aagtgtcct ctcttcagag atgtcaaaaa
60caaacaatc caagtctgga tctcgctctt ctcgctcaag atctgcatca agatctcgtt
120ctcgctcatt ttcgaagtct cggccccga gccgatctct ttctcggtca aggaagcgca
180ggctgagttc taggtctcgt tccagatcat attctccagc tcataacaga gaaagaaac
240acccaagagt atatcagaat cgggatttcc gaggtcaca cagaggctat agaaggccct
300attatttccg tgggcgtaac agaggctttt atccatggg ccaatataac cgaggaggct
360atggaaacta tcgctcanat tggcagaatt accggcaagc atacagtcct cgtcgaggcc
420gtc

423

<210> 2965<211> 385<212> DNA<213> Homo sapien

cggtgctgtc ggtttattgt aacagtaatt aaatgctgcc ttaattgaag gggtttgggt
60ggattttttt ttctcaaaat aagctgtagg gactatttta acagcttaaa caggagctct
120caagatgcac tttcgtattg agaggaatat gggcttgatc ctcttcctat ctaaatgggt
180gggccatttg attgtagagg gtccaccaca gaattatggg atgccttaag tgctgttact
240aggttgctca cagcctaacc tggcgtgttg tttagggctg atggagaccc atgtgagcct
300ttgctttcct ctggccccag cccaccctg aacacagctc atacgcagaa tcaggaccag
360catgtgcaga gctggccacc agcac

385

<210> 2966<211> 376<212> DNA<213> Homo sapien

cggtgctgtc gtggggacag atttgatg cttgattcac ccttgaagta atgtagacag
60aagttctcaa atttgcatat tacatcaact ggaaccagca gtgaatctta atgttcactt
120aaatcagaac ttgcataaga aagagaatgg gagtctggtt aaataaagat gactatatca
180gagacttgaa aaggatcatt ctctgtttt tgatagtgt tatggccatt ttagtgggca
240cagatcagga tttttacagt ttacttggag tgtccaaaac tccaagcagt agagaaataa
300gacaagcttt caagaaattg gcattgaagt tacatcctga taaaaaccog aataaccocaa
360atgcacatgg cgattg

376

<210> 2967<211> 384<212> DNA<213> Homo sapien

gaaggaatga agattgacct catcgatggc aaaggcaggg gtgtgattgc caccaagcag
60ttctcccggg gtgactttgt ggtggaatac cacggggacc tcatcgagat caccgacgcc
120aagaaacggg aggtctctgta cgcacaggac ccttcacgg gctgctacat gtactatttt
180cagtatctga gcaaaaccta ctgcgtggat gcaactagag agacaaatcg cctaggaaga

240ctgatcaatc acagcaaatg tgggaactgc caaaccaaac tgcacgacat cgacggcgta
300cctcacctca tcttcacgc ctcccagac atcgcggtg gggaggagct cctgtatgac
360tatggggacc gcagcaaggc ttcc

384

<210> 2968<211> 225<212> DNA<213> Homo sapien

tcacactgcc ttccaccgc tagcgagccc aattgcatgc aatatatgcc tgatgatcca
60ggggaggaga gagagtgatg cagagctggt gcagaagggc agcgagctgg tggctctgcg
120ggtggcgctg cgggagggcc gtgctacgct gcgggtcagt gaggggcgtg cgcggggtct
180acaggaggcc gcccagactc gggagctgga gctggaagcc tgttc

225

<210> 2969<211> 413<212> DNA<213> Homo sapien

ggtgctggcg attctgtgtt attaattata ttcatactat tgtgcaacca ccggcaccat
60ccgtctacag aactcttgat cttcccaaac tgaaattatg tattcattaa acaataacca
120cccattacct cctctctcct cagcctttgg taaccagcat tcagtctcta tgaattgact
180actctggata tctaaaagga atcattctta tttcatttac cataaagact tcaaagtcca
240ttcatgttgg aacatgtatt agaatttctt tactcttaaa ggccagatat gccgtaggat
300gtaaataccg tagtttgtgt atcaggtcat ccattactgg acactgggtt gcttctgctt
360tatggctatt gtgaataatg cttctgagaa cgtgggtata cagataactg cat

413

<210> 2970<211> 405<212> DNA<213> Homo sapien

cggtgctgtc ggcttggcg acagagcaag actctgtctc aaaaaaaaaa aaaaaaagg
60taaaaattta cccggggggg gggagggccc cctgtatttc cacttctca ggagggggg
120gcagaagaat cttttgacct caaaattcaa aaatggcaag gacttataat attgttattg
180ccctccacct taggcaacaa aggaacacct tgtttttaa aaaaaaaaaa taagccaggc
240ttataatagg ttatcccaa gggagtaagg aggttttata gggccaaacc cttcttataa
300aaaagaaatt agccaactta tgggtgttta agggtaatag gaaaggctta tatggagaac
360ctttattctt aaaaaaagg gaaattttt ttcggtacct catgt

405

<210> 2971<211> 381<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaagg ccattccacta atagattggt cagcaaaca
60ccaagctgt gagccaaagt cagccacta tgaggccaac tctgtttgca cccattcttt
120atagcttttg cactacagt gcaaagttaa gtatttgcaa cagagactgt ataacctgta
180aagccaaaaa cctcactgtc tggactttta tagttccaga ctctcacact agttgaatac
240tttgaaaatc ttcaggttct ttctgggaag tttggtaaga ctatctctaa gcagtattag
300ataattggaa tcttaccatt tagcacact tcatcaaaa agtgacaggt aatggttggg
360atcagaacag aacaacataa n

381

<210> 2972<211> 437<212> DNA<213> Homo sapien

aggatccctc gattcaattc ggcacgagga cagagccgac tccatctttt agaaaaata
60aaaatattaa gaggttctgc tgccaaatgt ggttctgtg ggtcgggtgt gggttctgtg
120ggtcgggtgt ggttctgca aaccaggtgc ggattctgtg taggttctgc agggccaggg
180taaaggctca cacctgtaat ccagactt tgagacgctg aggggggagg atcacttgag
240cccaggagtt caaaaccagc ctgggcaata tagggagacc gtatcactac aaaaaagttt
300tttttagttca ccgagcatgg gggcacatgc ctgtagtccc acctactcga gaagctgaaa
360tagggtcacc tgaccctggt aggtgaggc tgcagtgagc caaaatcgca ctactgcact
420ccagcctggg tgacaan

437

<210> 2973<211> 399<212> DNA<213> Homo sapien

ggcagagat tacatttccc agtacttctt gtccctctt cctgctttct cttttttttt
60tttttttgaa ttaaaaacgg agtttggtt tgccccggg tggggggcca ggggaaaaat
120tttgcttaat tgaaccccca cttgggggg ttaaagaatt ttgctgctt aacctccgg
180agaaatggga ataaagggc cttgcccc cccaacctt tttttggtt ttaagaaaa
240aagggggttc aacctggtgg gccggctgt tccaaactt tggccctggg gggatcccc
300ccctgagcc ccaaaaaagg tgggaataac gggggggacc aacctgcca aaaattgggt
360ttaatttttt taaacctttt aaccaacctt accaaaaat

399

<210> 2974<211> 346<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaagggggc cttcatgttg gcagttccag aagtgggggt
60gagggagaga gagaatactt gaggaataa tggctgaaga cttcctaaat ttgatgaaag
120acctgaatat atgcatccaa gtagctcaac aaattccaag taagatgaac tcaaagagac
180cacacagata ccaacatttc acaagccaaa gccagagaat ttgaaagca tcaagggaga
240agcaacttgc tacatacaa ggatcctcag taacaggtcc ccaagccctg ggccacagac
300tggttaacagt ctgttatgtt ccagaccaca cagcaagagg tgagtg
346
<210> 2975<211> 341<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt
60tcatcagcag ccgactcacg gagtggtcga aagagcaaaa acaacaaca gtcttcaagc
120cagcagtcac catcttcttc ctctcttctt tccttatcat cgtgttcttc atcatcaact
180gttgtacaag aaatctctca acaacaact gtagtgccag aatctgattc aaatagtcag
240gttgattgga cttacgatcc aaatgaacct cgatactgca ttgtaatca ggtatcttat
300ggtgagatgg tgggatgtga taaccaagat tgccctatag a
341
<210> 2976<211> 427<212> DNA<213> Homo sapien
ggcacgagcc ggccccact gagccactc cggcctctga agccaccgga gccctacgc
60ccccaccagc acccccatcg cctctgcac ctctctctgt ggtccccaag gaggagaagg
120aggagagag cgcagcagcg cccccagtgg aggaggggga ggagcacaag cccccgcgg
180ctgaggagct ggcagtggac acagggaagg ccgaggagcc cgtcaagagc gagtgcacgg
240aggaagccga ggaggggccc gccaaaggca aggacgcgta ggccgctgag gccacggccg
300agggggcgct caaggcagag aaaaaggagg gcgggagcgg cagggccacc actgccaaga
360gctcgggcgc cccccaggac agcgactcca gtgctacctg cagtgcagac gaggtggatg
420aggccga
427
<210> 2977<211> 427<212> DNA<213> Homo sapien
ggcacgagga gagagagaga gagagagttt tagtgataga gagagagaga gagagagaga
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga
120gagagagaga gagagagaga gccccccctc tctctctttt ttttggggcg ctctcttttt
180tctctctctc tctatatctc tctctcgctc tctctgtgtg tgtggctatg cccccggggg
240ccccccccc cccacacaag agagtgtctc tctctgtgtg tctccactc tctctctctc
300tctccccccc cccccctctc tctctttttg ttttgtgaga gtgtgtgtct cctccccc
360ctctttttct gtgtgtgccc acacagaaag ggggggctct ctctctccct tctctcccc
420acagct
427
<210> 2978<211> 339<212> DNA<213> Homo sapien
cgtttttttg ttgcgagaag acgacagaag ggtacggctc cataaacacg acagaagggt
60aataacaagc tgtatatatt tcaaagggtt tttaaacttt ggacactctt tcttttgta
120accacttaaa ggaataaaa agctggaaaa aaaattggac cttcaactca ggttgttcca
180tataacaaac gtattctttg ctgttacgta agattttcga ttcacagagt ccatccatgt
240acatcactta cacttaaat gccaaaataa ttagtctgac catctgactt taaaagactg
300ttgctacaca tacatcatgt ttaggagaat gtgggatat
339
<210> 2979<211> 394<212> DNA<213> Homo sapien
cgttgctgtc ggtagcatth gatcagctth gccacagatg aaaagcagaa ctggacatgg
60aagagaagtg aagtaaggac aagctggaat ctataggcat ctctgcatct atctttcact
120gcatctagcc atgacaaact tcatagtata atgactacag ctttatctcc aacttttttt
180tttttttaag aagaaacttc ccggacgaga tcccagaggg gtatttttagc atcctagaga
240cctcctccta gaggggtcaag gaagatacct gcctcaagtt ctgggagaag aggaaataca
300gggcatgggc cactatacac gggaagtttt tttttttaa aacaaaaaag gctttgacca
360cttagaaaag gctgagtttc gacacatccg ctgc
394
<210> 2980<211> 399<212> DNA<213> Homo sapien
ggcacgagca tgttcaggcc ccgaacattt ccggtgctga ctggcctta aacgtttgtg
60ccataatgga aaatatctat ctatctgttc tcaaactctg ttttctcat agtgtaaact

120cacatttgat gtgtttttat gaaggaaagt aaccaagaaa cctctaggaa ttagtgaaaa
180aagaactttt ttgaggtgtg ttactatact gctgtaagtt atttattata taaagtattg
240taaatagaat agtgttgaag atatgaaata tggctatttt taatggtgac aattatgact
300tttagtcact attaaattgg gggttacctat atcagtacaa tttgtagttg tttccaggtt
360tggctaataa tcattcctta acctagaatt cagatgatg
399

<210> 2981<211> 399<212> DNA<213> Homo sapien

tatagtggaa acagtatttc tagatgtag atttagcaga caaagacttc aaagcagcta
60ttgtaaatca gtttaaagca gcaaagtaag ctaagaatga aaataaagtg tgacaaatag
120agatgttcaa aaaggagata gaaatgattt taaaaataac aaaatgaaaa ttctgagatt
180gacagaatata gtaactgatg tgaaaaattt actagaggggt cttaccagag gtttgacatg
240acagaagaaa gaagcagtgga atttcaaagg tagatgatct aatctgaaga tcagagagga
300aagattaaag agaaatcagt agagccacag agatctgtgg gtcagcatca agtttaccta
360tgtatgtgtg atgggaatct cagaatgaat agagaaagc
399

<210> 2982<211> 397<212> DNA<213> Homo sapien

ggcacgaggt tttgcttcag ctagaatata caatgcagat gtcattaaaa gacttacttt
60aaaaatgttaa aaaaaaaaaa aaaaaaaaaa aaccctcgcc ccttaaaaaat .tttggggggg
120gggttaccgg aaacccaaac ttgaaaaaaa ccttggtggg gtgggaacaa cccccaataa
180aagggcgggg aaaaaagggt ttttttgga aaattgggaa ggctttggtt tttttgaac
240cctttatagg cggaaaaaaa aaggtaacaa ccacaagggg cttttttttt tttttcaggg
300ttaggggggg gggggggggg gttttccna acaccaatat acaggggtata cctctaacta
360cagcttgcac aatgggctta aattgccatg gggaaag
397

<210> 2983<211> 372<212> DNA<213> Homo sapien

tactgttgtt agaagacgac agaaggggtct acaagcacat gctgcctgag ggcttggaga
60ctggcctgtt catcccattg cagcaacca atatgaaagc aaactgctca ggaaccagag
120ggttgtcccg ccattgtcac tgcattgcc catgccacac tagctgccc gaggcctaag
180aacctgccc cttgctggaa ccaaggcttc aacacctggg taagtcacct ggaggcccaa
240gtattggccc acctagacgt gccaacatca gtggtagggt tgggtgtgct gttcctggg
300cccaataact gaactatttg gtatccaaat ccccataaaa actccagcac aacctccact
360aataactaca cc
372

<210> 2984<211> 410<212> DNA<213> Homo sapien

cctagtttta tttctttgta gtgaaagaag attgccacgg agacagacag cagcatggc
60agtgtgtag gagccggcca tcagcgagag ctgctccatg cctggctgct gggagctaga
120gcctgcggcc cactggcttg cctcactgta gttggtggtg gcagtgcag agactgcagc
180atgaccagag tggtaggaca ggggctatcc agggctgcac ctttcgcagt gtggggtggg
240ttgggggcac tatccagggt gtcattgcct gcattagggt tactggttgg tagcactgca
300cagggtgca ctgcccacag cagggagggt ggggttatgg tgctttctgg ggctgcaatg
360cccatggagg aggacagggt agggcatatc ggggtatatgc tactggcgga
410

<210> 2985<211> 407<212> DNA<213> Homo sapien

ggcacgaggc ctggcccagt tactcagttt tgaatctgag gccgtgacat cactcatggt
60ctgcagtcag tgctctgccc ctgagctgta cctctccta tgataatcac tcttaagaag
120ggcaaccctt ggtgttttcc ccttaaggct acccaggctg gaatgcagt gtgtggtcat
180ggctccctgt accctggaac tcaggcttgg gtgatcctct ctcccttgcc tccgaagttag
240ccaggactac aggtgtgcac ccaccaccac actcagataa ttgctttggt gtttttaaa
300cttgaatga tcagttaggt gaggtgggca aatcataagg tcaagagttt ttttagatggg
360gtgagcacag accaatcctt gttttattta ctgatttaaa attttga
407

<210> 2986<211> 453<212> DNA<213> Homo sapien

ttgttcttta ctagttttga aaaaagtaga aaaaataac caaagtgact tttgtacttt
60tctattggtg tgtgtttgtt tatttagaga tgggtgtcact ctgcgttgcc cagtctggcc
120ttgaactcct ggagtatcct ttgacctcag cctcccgagt agctgggact gcagggtgat
180accacctccc caacttggat ttactagtag tagcaaggtg agacaagagt ctccattttg

240gaatgtaa at tgggtggtg aatgtacgtt ggcacaactt ggggaaagt tggcaatgta
300tatcaaaaagc attaaaaattg tgtatatctt gtggcctggc aatactcctt ttatgaattt
360attataaaaa aaagtacatt tatttaaaaa cttagctggc tgggtgtggt ggctcattcc
420tgtaatccca gcactttggg aggctgaggt ggg

453

<210> 2987<211> 407<212> DNA<213> Homo sapien

cggatggatt tggagctgg aattcctctt aacaaccaag gggtttattt tcaaagcaat
60attggggaat tgatttcaca gttcgttacc ttagtaggga acggttaaggt tattcttttt
120tttttttttt ttgggattaa aaacctgggg gcctaaattt aacaaaaag gggccaaaag
180gtggaatgaa actaactttt gggcaaaatt aaaccatccc cccaaagggc gaaaataatc
240caccgcccc cccggttttt tgggtgggtta aatttggttt agattaaaaa caggcttttg
300ccccccagcc gggagggcag ggggtaatt agaacctttt cccccggga tgaaagcaat
360atcctgcctt cccccccca gaaatctaaa ataacgggcc cccccct

407

<210> 2988<211> 339<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggta agctattaag tgcattgttc cctcaggccc
60tctgtgcat tctggacaaa tggtgaaaga tgggttggt tggcacgga cgctgtgcca
120aaagcacccc cttttttttt tttttttttt ttttaaaaag ggaattttgt tttgtgccc
180caaatggggg ggcaggggga aaatttaatt taaccaaacc ctcttcttcc ggggtaaaaag
240aatttttccg gccttgcctt ccaagggggg gggaataaag gggccttgcc cctcccccg
300ggaatttttt ttttttttta aaaaaaggg ggtcccccc

339

<210> 2989<211> 399<212> DNA<213> Homo sapien

ggcacgaggg aagatgagct cgccaagaag cggcgccct tcctcctgaa gcagcagcg
60aaggccgagg agggccgcgt gcgaagcag cagctggaag cggaggtgga gctcaagcgt
120gacgaagccc ggcgcaaagc tgaggaagac cgggtgcgga aggaggagga gaaggcgcg
180cgcgagctca tcaagcagga gtacctgcg aggaagcagc agcagatcct agaggagcag
240gggctcggca agcccaagtc aaagccgaag aagccgcgga cgaagtcggt gcaccgggaa
300gagtcgtgca gcgactccg caccaagtgc tcctccacc ctgataactt gagccggact
360cagtcaggct ccagcctgtc cttggcctct gcggcgaca

399

<210> 2990<211> 326<212> DNA<213> Homo sapien

tctacgctg cgagaagacg acagaaggga tggtaaaatg ataataacg aatactataa
60tcaaccctat gtccacaatt tgataactgc aatgaaccaa tcctttgaaa gacacaattt
120gtcaaaactc acataagaaa tagaccatct gagggggcct aaacctttta aagaattgaa
180ttaataatgt taaccttcca aaacagaaag cagggaacca gatgggttca ctagtgatt
240ctactaaaca tttaaaggaa aaactaataa atgagatatt ccatgtttat ggatcagaag
300acaatattgt caaggtgaca gttctt

326

<210> 2991<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcgc ggcctcagcc tccagtggcg cgatctcagc
60tcaactgcaag ctctgcctcc cagttcacgc cattctcctg cctcagcctc ccgaggagct
120gggactatag gcgcccgcga tcacacctgg cttttttttt ttttttttg ggaaaaaacg
180gggttcccc atgtaaccca ggagggccta aatctccgga cctaaggacc cggccccctg
240ggcctttaaa agggctagaa taacgggggg gacccccgc ccagggctg ggaagcacac
300agttttaccc ttgttacccc cccttgggga aaagggtttc ggcacggggg ttcttttaaa
360ggagggacca gcctcattg

380

<210> 2992<211> 378<212> DNA<213> Homo sapien

ggcacgaggc ggatggcagg tgatgagact cagccaactc ggtttgcttt tgtggaattt
60gcagacaaa attctgtacc aagggccctt gcttttaatt gagttatgtt tggagacagg
120ccactgaaaa taaatcactc caacaatgca atagtaaac cccctgagat gacacctcag
180gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc
240tcagcagcta ttgaaccaga gtctggaaag agcaatgaaa gaaaaggcgg ncgatctcgt
300tcccatactc gtcaaaatc caggctctagc tcaaaatccc attctagaag gaaaagatca
360caatcaaaac acaggagn

378

<210> 2993<211> 450<212> DNA<213> Homo sapien

accctacgaa caagctactn ggnnttttng cagganccca tnaattcgaa ttcggcacga
60gggtcaagtct tccgccaccc ccgataaagc ataacatgga tattggaact tgggataaca
120aggggtcccgt tgcaaaagcc ccttcacagg ctttggttca gaatataggt cagccaaccc
180aggggtctcc tcagcctgta ggtcagcagg ctaacaatag ccaccagtg gtcaggcat
240cagtagggca acagacacag ccattgcctt caccttcacc acagcctgcc cagctttcag
300tcagcaaca ggcagctcag ccaaccgct gggtagcacc tcggaaccgt ggcagtgggt
360tcggtcataa tgggggtggat ggtaatggag taggacagtc tcaggctgggt tctggatcta
420ctccttcaga accccaccca gtgttgagga

450

<210> 2994<211> 405<212> DNA<213> Homo sapien

nncaccanna aacttcagcc aaccgggtca ttgtggacac cattgttatg gccaatctgg
60gctactttca gctgaaagcc aaccaggag cttggatcct cagacttagg aaggagcgt
120ctgaagatat ttatagaatt tacagccacg atggcaccga ttctccccct gatgctgatg
180aggtggttat cgtcctcaac aacttcaaaa gcaaaattat taaagtgaag gttcagaaga
240aggcagatat ggtgaacgaa gacttgctga gtgatggaac gagtgagaat gaatctggat
300tttgggattc cttcaaatgg ggctttacag gacagaacac tgaggaagtg aagcaagata
360aagatgacat aattaatatt ttctccgttg catctggtca tctct

405

<210> 2995<211> 400<212> DNA<213> Homo sapien

ggcacgaggg gggacgcgct caatgctctt tatgtatccc ttagnggggt tccgatttaa
60gcgactgccc acgagaccca aaaaagggtg tccggaaatc tcaccgtgag gcgcggctca
120tcagactgaa acttgctcac agacttcag ttatttattt ggggtctgaa ggatatcaac
180agctcatctg tgaccaacag ggcaactgga acctacacaa accaattgct tgctgcaagc
240agagttttat atatttatag tcacagacgg cagaggaaga ggctctcagt cccacctgt
300acaacaacgg aaagggtgtg ggccacacta agaatccaaa cgccgtggcc tctgacagag
360ctgnggcttt tgtggagaat acttccgggt attacatgag

400

<210> 2996<211> 336<212> DNA<213> Homo sapien

tacgggtgtt agaagacgac aaaaaggtag ggggtgcgaca agactacaga aggggttctt
60ttattaggaa atgcatgtat acggaaaaag aagaaggaat ctttaccaat ggactacagg
120aagtgaagc aaaacgtttc cctacctgaa agtttccttg tgtgagactg gaatatatag
180ttttacctct gtacaccatt tttgctctag cctatatgga ctacctacac tcataatgag
240aataatgatc aaatgaagga gttcggtttt gttttgtctt tttctttctt ttttttttct
300tgagagacaat ctactccgt caccaggct ggggtg

336

<210> 2997<211> 375<212> DNA<213> Homo sapien

tacggcttca gattacgaca gaaggagtgt gtatcctagg agcaataggc tataccatat
60agcctagggt tgtagtaggc tgtaccatct aggtttgtgt taaattcact ctttgatgtt
120tgctcagggg cgaaattgcc taaaaactca tttcttagaa tgtatccctg tcgttaaggg
180actcgtgacc gtattactat cttacagatg aagaaagtga agttctgaaa ggtaagtgt
240cttgccaaa gacacacagc cagtataatg ggagcaaac acaactgcct gaagaaaaac
300tttggttgat taaagtaaag taaaaacaga tctgaaaaga tctaccaatt caaatccttc
360agtaaaattc tgggt

375

<210> 2998<211> 373<212> DNA<213> Homo sapien

catgcgagc catggaacat taagaggaaa agtttttgaa aaaattaaag ccatttacaa
60cctgggtttc aacgctagcc ttttctggat tgccatagc cctgccaaga tactgcaggc
120ccattcaggc ctgtgctatc tgcacagcc gagggctttc caggaacttg actgtctttc
180attcgaactt ttttttgtt gatttaatat tttaaacttt attttaaaaa tttttcaaac
240ataagggcgg ggtgtggtgg ctcatgcctg gaatcccagc actttgggag gccgaggcgg
300gcggatcacc tgaggccagg agttggagac cagccaggcc accatgggga aacctgtct
360ctacaaaaaa tag

373

<210> 2999<211> 399<212> DNA<213> Homo sapien

gggaagaaga aggaggagt gtaaaggctc caccaaccca accagttctg cctcctcaaa
60ctataatcca gcagcctcag ccattaattc aaccaccacc attggtgcaa agccaactgc
120ctcaacagca gcctcaacca ccacaaccac agcagcaaca aggacctcag ccacaggccc
180agcctcacca agtgcagcct caacagcagc agctgcagaa tcgctgggta gctcctcgta
240acaggggagc aggttcaac cagaacaatg gagcgggcag tgaaaacttt ggtttaggtg
300ttgtacctgt cagtgttca ccttctagt tagaagtgc tcccgtgctg gaaaagctaa
360aggccataaa caactataat cccaaagact ttgattgga
399

<210> 3000<211> 428<212> DNA<213> Homo sapien

ctttactagt ttgaaaaaa gtagaacaaa ataaccaaag tgaactttgt actttttat
60tgggtgtgt ttgtttattt agagatgggt tcaactctcg ttgcccagtc tggccttgaa
120ctcctggagt atccttttgc ctcagcctcc cgagtagctg ggactgcagg tgtataccac
180ctccccaact tggatttact agtagtagca agttagaca agagtctcct atttggaaatg
240taaattgttg gttggaatgt acgttggcac aacttgggga aagtttggca atgtatatca
300aaagcattaa aattgtgtat atcttgtggc ctggcaatac tccttttatg aatttattat
360aaaaaaaaagt acatttattt aaaaacttag ctggctgggt gtggtggctc attcctgtaa
420tcccagcn

428

<210> 3001<211> 390<212> DNA<213> Homo sapien

ggcacgaggc tactcttacg cactcacgtt cattaactgc gttctgatgg cagaaggtag
60acagcaactg gacaaagggt aatttacgga gaagtacgtg gtccgcaga caagctggc
120attcaagttc atcacactct accgggcgat acgggagcat ggcttctacg tcaactgactg
180tccccagcag caggcacaac cccctgaggg cggcggtttg tgcagagagc tatgtaagcg
240cagcctgtac gctggagggt agggaggatg ctacctttaa tcaactat ggatctctaa
300atgcatttaa ctgcgataa taaaaacgtg tatggccgg gcattggtggc tcacacctgt
360gataccacca ctgtgggaag ctattacagg
390

<210> 3002<211> 405<212> DNA<213> Homo sapien

gtccgttgcg gtcgggaagt ccttacctct gtaggtatct cctcaatgaa tactgtgtgt
60aaggctgaaa tagttcatta tgtaataac cttctttatg ttctcagga aatgcttagg
120tgggtgcaca aaatgtgcct tttcttttct tttcttttct tttttttggg gcaaagctc
180ctttttttcc ccaggttgaa ggccaggggg ccaacttggg ttaattgaag cctcccttc
240cgggggtaac ctttttttct ggcttagacc ttcaaggaat tgggaattaa agcttcccc
300cccccccccg ggatattttt ttgattttt aataaaacac gggttcattt ttgttatcca
360gggggggttca tatctccggc cccaataatc cccccgttt tgct
405

<210> 3003<211> 433<212> DNA<213> Homo sapien

nnccggcacg agagttggac cagaactccc tcctggacac atcccaattc aagtgatccg
60caaagaggtg gattctaaac ctgtttccca gaagcccca cctccctctg agaaggtaga
120gggtgaagtt cccctgctc cagttccttg tctcctccc agccctggcc cttctgctgt
180ccctcttcc cccaagagtg tggctacaga agagagggca gccccagca ctgcccctgc
240agaagctaca cctccaaaac caggagaagc caaggctccc ccaaaacatc caggagtgt
300gaaagtggaa gccatcctgg agaaggtgca ggggctggag caggctgtag acaactttga
360aggcaagaag actgacaaa agtacctgat gatcgaagag tatttgacca aagagctgct
420ggccctggat tcn

433

<210> 3004<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac agacagagag gtgagttggg tttagaagag
60gctggttaagg tgggtcaac caaaaaaggc ccagtggacc ctacactatg gaatgaattg
120tgtccccca aattcgtatg ttgaacctt aactctcaat gcgactatat ttggagatag
180ggtttttagg tgattcaggt taaatgaggt cctaaggggt aggccctaat ctgatgggac
240tgggtgtctt ataaatggaa caggatgcac aagagagctc tctctccca catgcacgaa
300gaggccatgt gattacagag caaatggcg gccac
335

<210> 3005<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac acaaggaat gaagagtcct ttttggttcc aagccaatcc

60tggctgggtg ctttgcctcc cttgctatgc tgcaccctg agttcttgca cttcagaggg
120tttccatcac ttccttgcta aatttcagtg ctgtacctta catattctac ctaaagctta
180gttttatagt tgagttgatt tttctttgtg gaagagatag gcgtcgagca ctttcagtta
240gccatttaac gcgtttttta tgttttaatg ctgaatagag ttccattgta tctactactt
300cttttttttt tggccattga cctaattgagg ggtatttgga ccatttttat
350

<210> 3006<211> 405<212> DNA<213> Homo sapien

ggcacgagag gctatggcat ctaggtttgt gtatttacac tgtgatgttt gaacagcgaa
60tgaaattgct taacaatgca tttctcgaa catatccatg ttgttaaag tcccatggct
120gtattgatgt tgatcttaaa catagacatg atagaatgac tcagaattta atactctttg
180tgattttcaaa agtagatttt agcaaaatgc tttagtgaag acctgtgtat aattttttaa
240aaaacattta acatttttaat cataaatgct aacagatcct tctgtcttat ttccagcttt
300tttaagggttg tgaatttctg gaacttaacc catttatgca ggagattaaa attttttctg
360tgtgaaaaat cagaccttgt cagtgaacct gaacagttaa catat
405

<210> 3007<211> 408<212> DNA<213> Homo sapien

ggcacgagac ttgggaggct gaggcaggca aattgcttga acccgaggagg tggagggtgc
60agtgaagccga gatcgtagca ctgcaactcta gcctgggcaa cagagcaaga ctctgtctca
120aaaaaaaaaa aaaaaggggt ggaaggggg aaacggctgg gggggggggg tacaccctgt
180gaacccaacc tttggggggg ccgggggggg gggactccct gggggaaggg attggaaacc
240caccggggcc accgggaaaa acccgtttt ttttaaaaa aaaaaatttt accccggccg
300gggggggggg ccctgaaacc ccggtttttt gggagggtgg ggggagaaaa ttggttaaac
360ctgggggggg ggggggtgaa gggcctaaaa acccccccg ggcttttc
408

<210> 3008<211> 422<212> DNA<213> Homo sapien

ttattgcatg agaccagcta gcttggtgtt tgggccgaag cggcctacgg ctgccagatg
60acgacagacg ggtacggctc cgagaagacg accgaagggg ttgatataac tgttggtgtg
120agtctgatta tactcataat aatatatttg tatctgcagt gcctagaaca aaacctgcca
180tatggcaaat agtcaatatt tgttgaagaa atagattaat tgacattaaa agggagaata
240tttaatccct gctgaggact aataaaatca tttttattat tgtcaacttg ctttaacaac
300catctcacia ataaaatgaa ggctactata ttgttttgca gttctgaatc taactttaca
360aaaatattga agagcatgct aagaaaagat catatatctg gcacattaaa aggcgtttag
420ag
422

<210> 3009<211> 407<212> DNA<213> Homo sapien

ggcacgagga gactccacg aactggctgg gtatacagaa atgtccagag gccggagagc
60gtttcagatc acatgtaccg gatggcagtt atggctatgg tgatcaaaga tgaccgtctt
120aacaagacc gatgtgtacg cctagccctg gttcatgata tggcagaatg catcgttggg
180gacatagcac cagcagataa catcccaaaa gaagaaaaac ataggcgaga agaggagct
240atgaagcaga taaccagct cctaccagag gacctcagaa aggagctcta tgaactttgg
300gaagagtacg agacccaatc tagtgcagaa gccaaatttg tgaagcagct agaccaatgt
360gaaatgattc ttcaagcatc tgaatatgaa gacctgaac acaaacn
407

<210> 3010<211> 403<212> DNA<213> Homo sapien

cggtgctgtc ggaagtgcc aactccgcc aggcagaaac tgaagctgaa gtgaaaaaga
60agaagaacaa gaagaagaac aaaaagggtga atggctctgcc tcctgaaata gctgctgttc
120ctgagctggc aaaatactgg gccagaggt acaggctctt ctccggtttt gatgatggga
180ttaagttgga cagagagggc tggttttcag ttacaccga gaagattgct gaacacattg
240ctggccgtgt tagtcagtcc ttcaagtgtg acgtttagt agacgcattc tgtggagttg
300gaggaaatac cattcagttt gccttaacag gaatgagagt gattgccatt gatatcgatc
360ctgttaagat tgcccttgct cgcaataatg cagaagttaa tgn
403

<210> 3011<211> 387<212> DNA<213> Homo sapien

cctgcacggg ctgttgatgc ctgccacct tcacgtgagg tgtgacttac tctccttgc
60cttgaccac gatggtgagg cctccccagc catgtggaac tgggagtgca gataaagctc
120tatctttgat agatgggccc ctcttacgta tgttggtatc atcagagggg gcactgacta

180acatggcgctc tccgagggta tggactacat gtctgaagat cttggtgagg tgagggaggg
240tgcctacatg taaaaaagct gttttaaata taaatatgac ttttaattta aaaattaaac
300atttttgcac tatcaaaagt aaatatacac catggaaatt tgaataacta gaagaaggga
360gaaaacacct tttctaactg ttatcat

387

<210> 3012<211> 380<212> DNA<213> Homo sapien

tacggctgag agatatacga cagaagggtg cggctgagag aagacgacag aagggatgtg
60ggattccctg aaccaactgg taatgcacta ccagcatata aggtgtcctc attaaagcag
120ttggtgattg gtacatggga cctcactcat gtatgtttgc atctacttgt gagtcaaaaa
180gttttcttaa agtatagggt ggatcatgaa agacatacaa ttcactggag aaattgtgaa
240aaagtaaaag attatgaatt taggtcaaaa gccaatctcc ctctcattta attctacatg
300agcaagtcaa ggagtttggg agagctttat gaaatctcta aagattgaag gaaaacaatc
360actataatcg atttgataag

380

<210> 3013<211> 391<212> DNA<213> Homo sapien

ggcagagagg tgtgaccaca cttcttcttg aagggcagcc tctgcccag gccccgtggc
60cctggagcct caataaagtg tccctttcat tgactggaaa aaaaaaaaaa aaaaaaagg
120cccccaaaaa aaaaaggggg gccttatacc taaaacccaa acggaaaaaa aaccttggaa
180agttgggaaa aaccccaacc aaaaaggcgg gaaaaaaagg cttaaattgg aaaaatgggg
240gagccattgg ttttaattga accaaaaaaa cccggaaaaa aaaaggtaaa aaaaacaatt
300ggcttttttt tatttttcaa ggtccggggg agggggggga agtttttttn ncatngcang
360actttctaca angacaccca aactccttaa g

391

<210> 3014<211> 385<212> DNA<213> Homo sapien

ggcagagagg tgtggtatcc catgagttgt ttctgtgcac tggctctatg tgccgctatg
60ctgaagacct ggccccatg ttgaagggtc tggcaagacc tgggatcaaa aggctaaaaa
120tagacacaaa ggtacattta aaagacttaa aattttactg gatggaacat gatggaggct
180cattttttaat gtccaaagtg gaccaagatc tcattatgac tcagaaaaag gttgtggctc
240accttgaaac tattctaaga gcctcagttc aacatgttaa actgaacaaa atgaagcact
300cttttcacct gtggatcgca atgatgtcag caaagggaca tgatgggaag gaacctgtga
360aatttgtaga tttgcttggc gaccn

385

<210> 3015<211> 372<212> DNA<213> Homo sapien

gttgcgtgag gtgagcgtg ctgagcggga ggtgggcagc gggggggcat cgcagatgcc
60agccgcggga ctgagctctc cccctcccc ggtgcaactc gatgaacgac ccgagccagc
120ccaacgagga gggcatcact gccttgaca acgcatctg cggcgccaac tactctatcg
180ttggatttct catcacccg ggtgccaatg tcaactcccc cgacagccac ggctggtag
240ccccgaccgg cgcgggtggc tgggtcccc gtgggcggac gcgcagcctc tcacgcatcg
300ttccccgcaa cccccaccc ccacgcctag gacacccttg cactgcgcgg cgtcgtgcaa
360cgacacagtc at

372

<210> 3016<211> 381<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt
60tcacacgag ccgactcacg gattggtcga aagagcaaaa acaacaacaa gtcttcaagc
120cagcagacat catcttctc ctctctctt tctttatcat cgcgttcttc atcatcaact
180gttgtagaag aaatctctca acaacaact gtatgtccag aatctgattc aaatagtcag
240gttgattgga cttacgatcc atatgaacct cgatactgca tttgtaatca ggtatcttat
300ggtgagatgg tgggatgtga taaccaagat tgccctatag aatggttcca ttatggctgc
360gttgattga cagaggcacc a

381

<210> 3017<211> 442<212> DNA<213> Homo sapien

tctttttgca ttatcccatc gattcgtcga ggctgatctc aaactcctgg cctgaagcaa
60ttttcctgtt tcatcttccc aaagagttgg gaataggagt gggagccact gtgctagcct
120atgctttact tattccaaaa aaataacaag aatggaaaga ggaaaaataa acctgaaagc
180gagttgagat acattaatcc agctgtatct taaatgagaa acataaccac accgacgggg
240attggtgaag ggaagatgga aaatctaact caagtgattt atcgacacat caaatgtgtt

300tgactgtata ctggcagttg tgggtggggga tgggactgca agaaaaatct tgaggccagg
360cgctggtggc tcatgcctgt aatcttaaca ctttgagagg ccgaggcaag atcacctgag
420gtcaggagtt cgagaccage ct

442

<210> 3018<211> 427<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagaactatt ctcgagagca gttttttttt tttttttttt
60ttaaaaaagg gggacccctt gggttcccca ggcgggaggg cagggtgaa atttgggtta
120atggcaccct ccttttctaa ggttaagggg atctccttcc ccccccccc taaaaagcgg
180gaaaaaagg cacttcccc cttccccagt taatttttgt tttttaaaaa aaaagggggg
240ttcccaagg ggccaagagc agcccctgtt cgtgcacaaa ggcaccaaca tggagaccgt
300ccaaaactgt cgcatttagg ggactgacct caccgtccaa gcgatattgg gttttaaant
360ggagggttat tatctcttgc gggacatcgg gtgagttgac ccatacccg agcctgccaa
420aaataag

427

<210> 3019<211> 418<212> DNA<213> Homo sapien

ggcacgagaa gaccttggat caaaaggaag cttctatacc tctttcttct tgccttctc
60ctctcccaag caatggaaac ttttaccat gtaattctag ctgaactcag gaaaaagaag
120ggggaaagga ctctgtcccc ttggggctca tcacccttcc acatcctcct cctcgttgc
180ccctggtcag gcagcttctt tttttttttt ttaaaaagga agcttggctt tgccccccag
240cctgaaaggc aggggcccac tctcgggttaa ttgaaaactt ggcctcggga ataaaggcaa
300ttttccggcc taacccttta aggaactggg aataacgggc ccccgcccc cccccgggt
360taattttgga ttttaagga aaagggggtt taacattgct gcccaaatgg ttttaaat

418

<210> 3020<211> 375<212> DNA<213> Homo sapien

tactgttgtt agaagacgac agaaggggta cacatgcaca cagtcacag agcgtgcaca
60caaacacacg tgcatgcaca cagcatgca cacacgcaca catgtgtgca cacatgcaca
120catgcgcgca cacatgcaca ggagcctcca aacacacgtg catgcacaca catgcacaca
180ctcacacgca tgcacacacg cacacaagca aacacatgga cacacacaaa cgcgcatg
240tacaggagcc tgcacacaaa cacacgtgca tgcatacaca cgtacacaaa catgcacaca
300cacatgggcc aggcgtggtg gtcacgcct gtaatccag cactttggga ggccaaggag
360ggtggatcac gaggc

375

<210> 3021<211> 384<212> DNA<213> Homo sapien

ggcacgagac ctgaaagag agtgcaatga agaactttgc aattatgagg aagccagaga
60gatttttgtg gatgaagata aaacgattgc attttggcag gaatttcag ctaaaggacc
120aaccacaaaa tcacatggca acagagagaa aatagatgtt atgggccttc tgactggatt
180aattgctgct ggagtatttt tggttatttt tggattactt ggctactatc tttgtatcac
240taagtgtaat aggcataaac atccatgctc ttcagccgct tatgaaaggg ggaggcacac
300tcctccatc attttcagaa gacctgagga ggctgccttg tctccattgc cgccttctgt
360ggaggatgca ggattacctt ctta

384

<210> 3022<211> 401<212> DNA<213> Homo sapien

nnnnacgaga gaaaggatag gaagggaagca tgagagagaa tagggagaag tgaacagga
60tgcagagcga atgccagttt cagccaactc caaggacagc cctggagctg gaatggcctt
120tacagctgcc ccatggcgac agaggcgcc aggttctat acccctacgt ggatcactca
180ctgtgcttgg gcaccttggg aaagggcag gctttgagca aaaggctctc tgcagctgag
240gcaaccctca ccagggtga cggctgaagt ctgtctgctg accactgtcc cagcagctgg
300gcttgttag tccttctca aagggggcat cagatggcat gtcacagtgt ctacctgaaa
360tgctcactga atccagctgc aatgcaagaa gactccctga t

401

<210> 3023<211> 406<212> DNA<213> Homo sapien

ggcacgaggt ctctgcaaaa gacccctccg acccgagtgt tctggaact ggttccctgg
60gctgaccgga gccgggagaa caacctggcc tcaggagag agacgtacc gggcttacgc
120caccctctct cctcaacaca agcccaaact gctaccgcg aggtgcaagt aagcggcacc
180tcaaaagtgt ctgcccccc tgaccggtcg cagggtggcg tgcgagttag cagcaccag
240gaggcgccag ccgaggccaa aaagagcgtt tgcgccggc tagattacat aacgcatagc

300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggactt taggagagt
360gaaaatgctt atcacatgga agcagagggtc tgcattacat ttactg

406

<210> 3024<211> 399<212> DNA<213> Homo sapien

ggcacgaggt ctctgcaaaa gacctctcg acccgagtgt tcgtggaact ggttccttgg
60gtgaccgga gccgggagaa caacctggcc tcaggagag agacgctacc ggccttacgc
120cacccccctct cctcaacaca agcccaaaact gctaccgcgc aggtgcaagt aagcggcacc
180tcaaaagtgt ctgcgggccc tgaccgggag caggtggtgg tgcgagtga cagcaccaag
240gagggcgag cggaggccaa aaagagcgtt tgcgcgcgc tagattacat cagcagagc
300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggattt taggagagt
360gaaaatgctt atcacatgga agcagagggtc tgcattact

399

<210> 3025<211> 399<212> DNA<213> Homo sapien

ggcacgaggg ggggtgtggc cgagctgtac tgccccgga cactgctgag aacttgaca
60tgccctcgca cacatggctg gcaactggac cctgcccac tgccggggt ggtgcagctg
120cggtagtctt gggcaagcag gtgctagtgg tgggtggtgt ggatgaggtc cagagcccg
180tagctgctgt agaggccttc ctgatggatg agggcgcgtg ggagcgtcgg gccacctcc
240ctcaagcagc catgggggtt gcaactgtgg agagagatgg tatggtgat gctctggggg
300gaatggggcc tgacacggcc cccagggccc aggtacgtgt gtatgagccc cgtcgggact
360gtggctttc gctaccctcc atgccacac cctgctatg

399

<210> 3026<211> 407<212> DNA<213> Homo sapien

ggggccagcc cagccctttg agatgtcgag gttggcataa cacaagcca aaagagaaag
60aacatcctgg ccaacgtgga caaacccag ctaaaacgca aatgtaactg ggggtggagg
120tgcaagcctg gaaacccaat tgcttgatag gctgccgcta gagactcact tcaaccagg
180aggagcagga tgcgcagagc ttatatggtc cactgcact ccaacgtgag tgacagataa
240aacctcatct cctaaaaaat aataataata ttctagcatg tttatatgaa aataattgtg
300ctttccaaaa cagaaataaa aatagtgaag aatgtgtcat tgtttacat ctctatatca
360aatgtataga ctacaggtag atttccttat ctgcttctgc agtcatt

407

<210> 3027<211> 353<212> DNA<213> Homo sapien

tatcggtcgc gagaagacga cagaagggtg cggtccgag aacacgacag aagggttaata
60tcaagctgta tttttttcaa aggtttttta aactttggag actctttctt ttgttaagca
120gttaaaggaa taaaagagct ggaaaaaaa ttgtaccttc aactcaggtt gttccatata
180acatacgtat tctctgctgt tacgtaagtt ttccgattca cagagtccat tcatgtacat
240cacttacact taaattgtaa aaataattag tctgaccatc tgactttaaa agactgttgc
300tacacgtaca tcatgtttag gagaatgtgg gatatggnga aggggagaag aag

353

<210> 3028<211> 340<212> DNA<213> Homo sapien

tacggctcgc agaagacgac agaagggtac ggctccgaaa agacgacaga agggcattgg
60taaaatagac aaaatggcta ctcttaatct accattctca ctgggttgtt gtgaggacac
120agataattaa gaaaaacata ataaatatcc aaattagaaa atggaaaagg ggcgtaacc
180ctactcctaa cctgggtcatt ttaacctcct gtgccctcag tttcttcac tgtataatgg
240acataggcct ggtgtggttg caagaagcag ctaaaaatca ggaaaaagaa catcatgtat
300tcagctatgc acacttccaa cgttgctctt tactgaggcn

340

<210> 3029<211> 417<212> DNA<213> Homo sapien

ctgtgttgag gctaattggc gtgcccacgg aactggatgg agggagtgtt aaggagaccg
60cagcgggaaga ggaatcgca gttctggcac ctggcgccgc cccgttcgga aattttcctc
120attattctcg ctccaccct cggagcaac ggctccgct cctgcccccg gagctgcttc
180gacagctctt tctgagagt cccgagaacg ggccgattct ggggctcgac gtgggtgta
240actccgggga tctgagtgtg gctctataca aacacttct ctcctacct gacggggaaa
300cctgtcaga tgcctcaaga gaattcgtc tcctctgctg cgacatagat ccagtcctgg
360tgaagcgagc cgaaaaagaa tgccttttc ctgatgcctt gacttttacc accctgg

417

<210> 3030<211> 407<212> DNA<213> Homo sapien

cggttgctgtc gaaagactca gcccagatag aggatgcctt ttttcccttt gttttttttt
60ttttgaaaag ggagtttggg tttgccccca aaggtggaaa ggcagggcca gaatttgggt
120taactgaaat acccccctcc ttgattaagg aaattttctt gcttaacctt cccgggaagt
180gggaatggaa ggcccccccc cccaccctgg gtaaattttg gatttttaag aaaaaacggg
240ttttaacaat ttggcgaggg gtggttttaa acnatnaacc taagggaatt accttccctg
300gcctccaaa agggcgtgaa taaagggcgt aatgcccggc cccaaacaaa aaaggggggt
360tttctaaata ccgggggggt ggggttttaa acaatacttt gacaaaa

407

<210> 3031<211> 423<212> DNA<213> Homo sapien
ggaaatttgg gaagaatcca agaagtatag gccaatgaaa acaagttatt aatacaata
60gtactgtata tgagagtaca cattacgaat gctgtgcttt aatgcataaa catgtttaca
120gtggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaatg
180gggtcctcat cgcacaccat acacaaacat catctcaca atggattaaa gacacttaag
240acctgaaacc aaaaaaactc ctaggagaaa acacagggga aagctccatg acatcagttt
300cgcgatgat ttttttttgg acatgacact aaaagaacaa gcaacaaaac taaaagtaaa
360caggtgggat tacattgaag taaaagttt ctgcacaaca aaggaaacaa ccaacaaaat
420gag

423

<210> 3032<211> 410<212> DNA<213> Homo sapien
ggcacgagag cgcacttccc tccggagagc ttagaaagtg cattttggcg tcacttaagg
60gacggtgtag tgagttccgg ctctactggg tccaattctg tccattgtt cggtgcatgt
120gaacttttct ggatttcagt tctttcatcc ggggcctgcc ggtgccgtaa acggccattc
180aaagggaaaa acgaacacgc acaccaaagc gctagcttgc gttcctgcgc atgcgcagtg
240acccgagcgg agaggccgag gcgtagccta agcgtgggat tccgcgcgtg cgctcggtc
300cgctggtgc ggccgaggcc gggagggact ggattatgtc ggccccgtt gaagagcggg
360gtgggggtgt accgtgaggg accccgtggg gccagtggac cagaccttgg

410

<210> 3033<211> 416<212> DNA<213> Homo sapien
ggcacgagga aacgtttgtt gttttggtct tcacaataaa ccttggtacc gccactctt
60tggtccgtgc catctaaaag cgctgtgaca ctaccgcga aggtcccggc tttattcctg
120agaccacgaa cccaccggca ggaaccaact ccagactact atgtgtaca gagaacttct
180tcaggccttg aaatagaac atagtaaaaa gcggcttctt tgtccatgga tcagcagtca
240ctatttccca gtcgcctcc aagagctaac taaagtgcag cataaactgc atgcagcatt
300gttttccca cagcaaacc ttcgggggtgc ctctagcgg cggatggaga actagcattg
360cgcgagagca ggaatgggac acttgtgtgt aacaaaagat ggactgcgct tggag

416

<210> 3034<211> 431<212> DNA<213> Homo sapien
cggttgctgtc gaagactgag gtcgttgatt ctgatggatc agtgaaagac aaaatcacag
60cattcatagt agaaagagac ttgggtggag tcaactaagg gaaaccgaa gataaattag
120gcattcgggg ctccaacact tgtgaagtc attttgaaaa caccaagata cctgtggaaa
180acatccttgg agaggtcgga gatgagttta aggtggccat gaacatctc aacagcggcc
240ggttcagcat gggcagcgtc gtggctgggc tgcctcaagag attgattgaa atgactgctg
300agtacgcctg cacaaggaaa cagtttaaca agaggctcag tgaatttggg ttgattcagg
360agaaatttgc actgatggct cagaaagctt acgtcatgga gagtatgacc tacctcacag
420cagggatgct g

431

<210> 3035<211> 335<212> DNA<213> Homo sapien
tacggctgcg agaagacgac agaaggggag gagacacaga acatggcggg agggatggca
60gtctaccctg tggaacgag gaagtcacgc tgccgcaagg ggcgcatagg ggcctacg
120acccagaaac gcaaatgata ggtaggcgga cctttcccg cttgcgcgat actcagctac
180gtaagactcc ttcccttacc ttcccttctc ttgccttcc ttccctgac gctggaggaa
240gaagggcagg ggttctgtgc catangcggc ctttctggtg cagaggacct tccccatcct
300ccatcatgtg agcagccaga gccgggagct cgaan

335

<210> 3036<211> 408<212> DNA<213> Homo sapien
ggcacgaggc aactgcact ccagtcagt caggggtcc tgggccctga gcggctacag

60caggcactga gccaggaaca catcatcggt gccaggaac agacagtga caatcaggag
120gaagccgct acatccaaga gatcaccacg gcagatggcc agaccgtaca gcacctggtg
180acctccgaca accagggtgag ctactagcta ctgttaatcc cctcagctgt gacctcctac
240cctcccaaag acctaccttg gggaggaatg atactttcca aaccacccct cctgggggtc
300atgcttgcca acaactgcat tgttgctggt ggctgttctt agtcttccac tctgcttct
360tagctaagct cctggcgagt ggggcctcag cactgcctc gccatgcn

408

<210> 3037<211> 353<212> DNA<213> Homo sapien

tctactgctg cgagaagacg acagaagggg ctaacatttg ctccatcaag cagataggta
60acagagctcta ggactggcca tatagtttaa gaacctaccg tcaagcagga gtatgtttag
120aaattgcttg atggttgat tagcctgatt tcatgctgtg atacagacac accccagact
180ggggagttta tagagaaaaa gaggtttgat tgactcacag ttccacatgg ctggggaggc
240ctcaaatca tgggtgaagg ctaaaggata tcttacctgg tagcagacaa gagagaatca
300ggaccaagca aaaagagttt ccccttgtta agctatcaga tcttgtgaga ctt

353

<210> 3038<211> 352<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtgtaga
60taacagaagg cactaaatca ttgaagattt gaccttgcct catagacttc tctttacttg
120gaataacact tcgacctgcc tacaatctt caacagtta ttccagctat tacctccttt
180ataagatctt tctagtctt cctagatcct cttagtctta cctacaaata ctttatttaa
240ctttcaatat tatctgtgca cctctggctc tagccactac caatttaaaa gctttttgta
300tggtatctat ttctcagctc gcttaaaaca aagaatacat aatgaacgg cg

352

<210> 3039<211> 346<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgaccga agggacatgt
60aaacaataat ttggtgctcg gaaggtaggc gtcagccaag caaagcagga aggaaacgga
120ggagaggggtg ccttgcttga atgggggac cgcaggggtt ttcctgccct gtgcttcac
180tgtgctatgc tctaccttc cctcagtcag tcataaaatc ccctgtttgc tgccccggc
240tttgcttccc cacactgact atattagagt cctcatttgc agagcagcac tgcaagctaa
300gtattgtag cacagattaa agagactgag gagggtcctg gggagg

346

<210> 3040<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc ggccaccata atgatactat atgtgtccaa
60gctaaacaaa atcattcact tccctgattt tgataagaaa attcctgtaa aggtaagtaa
120tgaaaagtat gtatgactgt gatagaagat gtgaaaatac acattgattt tagagtacag
180gtcaatttct atacacactg tacttcctgc ctgcactgga tagaaacttc ttttttgtt
240tgagatggac tgctgctctg tcgcccaggc tggagtgcga tgggtgtgac ttggctcact
300gcaatctccg cctcctgggt tcaagagatt ctgc

335

<210> 3041<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gctatggcat ctgcatgtgg cggaagttta gcattaatgg attcaggggt
60tccaatttca tctgctgttg caggcgtagc aataggattg gtcacaaaaa ccgactccta
120gaaggggtgaa atagaagatt atcgtttgc gacagatatt ttgggaattg aagattacaa
180tggtgacatg gacttcaaaa tagctggcac taataaagga ataactgcat tacaggctga
240tattaaatta cctggaatac caataaaaat tgtgatggag gctattcaac aagcttcagt
300ggcaaaaaag gagatattac agatcatgaa caaaactatt tcaaaacctc gagcatctag
360aaaagaaaat ggacg

375

<210> 3042<211> 389<212> DNA<213> Homo sapien

ctgcctcag cgtttctggt tcaatagggt ttgggggaga ccaagaacgt taacatttct
60agcaagtttc caggtgatgc tgttgttgc ggtctagaga ctattttgag aacctgtc
120caggagcgtg aatttctgat tgtgatctga gtttctgccc caactgcaca gcagttggg
180tgcttgttaa aatgacaggt gcagatcttg gtggtagtag caaatattca aacgagaa
240ttgaagggcg aagtggatca cttgagctca ggagtccaag accagcttgg gaaacatggc
300aaaaccgctc tttatgtgcc tggaaatcca cctgctcagg tggctagggt ggatggatcg
360cttgagccca agagggtggag gctgcagtg

389

<210> 3043<211> 387<212> DNA<213> Homo sapien

ggcacgaggc aatgtgcagt acctgaaaag caggatatta tgaagaaact gaaggagatt
60gcattcccaa ggacagatga attgaaaaac gaccttttaa agaaatataa cgtagaatat
120caagaatatt tgcaagcaa aaacaaatat aaagctgaaa ttctcaaaaa attggagcat
180cagagattga tagaggcaga aaggaagcgg attgctcaga tgcgccagca gcagctagaa
240tcggagcagt ttctgttttt cgaagatcaa ctcaagaagc aagagttagc ccgaggtcaa
300atgcgaagtc agcaaacctc agggctgtca gagcagattg atgggagcgc tttgtcctgc
360ttttccacac accagaacaa ttccttg

387

<210> 3044<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggatac ggctgcgaga agacgacaga agggatatga
60gtagtgtgag tgtattgctt agaacaaaag agatgagaca ctaacactgt gtgtatatcc
120taaatcatat atcagtgaag aaatgtgatg tttgcaacat cttctctggg gatgctaacc
180ccctaagtca ttattaccat gcatgtaagc acctcaccta gatctgcact ccatctagca
240gtgagaaatt ccaccataat ctacacacca taatatcctc aatgtgtcta gaagtcagat
300cctctatgtg tgaaccaaga caatgcctgg caaacaagac agctgggctc tcaggtctct
360gcaccatggg gag

373

<210> 3045<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggctcaca
60cctgtaatcc tagcattttg gacgctacgg cataagcatt gcttgaagcc aggagtttga
120ggccggccttg ggaacacagt aaatcctgtt tctacacaaa ataaaaaaaa ttagtttgct
180gtggtggtat gcatctgtag tcccagctac ttgggagggt gaggtgagag aatcacttga
240accagaagt tcaagactgc agtgaactat gatcgaacca ctgaacttca gcctgggcga
300cagtgaagacc ccttctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg cccttttttc
360cctaaccaca accttgaaa

379

<210> 3046<211> 410<212> DNA<213> Homo sapien

ctgcgctagt cctaaagagg aaatgtctct actctgcgtg gatgcagccc gcaccttggg
60gccccgggta tttgggagat atttttgcag cccagtcaga ccgttaagct ccttgccaga
120taaaaaaaag gaactctac agaatggacc agaccttcaa gattttgtat ctggtgatct
180tgacagacagg agcacttggg atgaatataa aggaaccta aaacgccaga aaggagaaag
240gttaagacta cctccatggc taaagacaga gattcccatg gggaaaaatt acaataaact
300gaaaaatact ttgcggaatt taaatctcca tacagtatgt gaggaagctc gatgtcccaa
360tattggagag cggtggggag gcggagaata tgccaccgcc acagccacga

410

<210> 3047<211> 396<212> DNA<213> Homo sapien

caaccgagat gaagggtgaag atgctgagcc ggaatccgga caattatgtc cgcgaaacca
60agttggactt acagagagtt ccaagaaact atgatcctgc ttacatcct tttgaggtcc
120cacgagaata tataagagct ttaaatgcta ccaaaactgga acgagtattt gcaaaacat
180tccttgcttc gctggatggt caccgtgatg gagtcaattg cttggcaaag catccagaga
240agctggctac tgcctttctt gggcggtgtg atggagaggt tagaatttgg aatctaactc
300agcgggaattg tatccgtaca atacaagcac atgaaggctt tgtacgagga atatgtactc
360gcttttgtgg gacttctttt ttcactgggt gtgatg

396

<210> 3048<211> 358<212> DNA<213> Homo sapien

gcctacggct gtgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtct
60ctcaattttc cttttgacgc aaaanttact cactcagttt cttaaagaaat attttttaaa
120aagggtttca gtatacgta gttctctcat ctacacctgg ttgctctaact cggtagatg
180aaatgcaggc tttttaccat cgtaagcagc actaatatga acttggaat atttttaaca
240cgcgaaaggc taacaagatg actcagcaat accaaagaca ggctgaaatg tccgttacta
300acaaatactg aaaccctttt taaaaaatat ttatctagga actgagcgag aaattttt

358

<210> 3049<211> 413<212> DNA<213> Homo sapien

cgcacgagga agaaaaatgt ttgtaatcta ttcatttgat aaaagaccaa tattcaggat

60attcaagaaa cccaaacaat tcaacagtaa acaaataagc ccatgaaaaa gtaggcacac
120ttttttctatt tacctccata aatagacaat tgtcaaagag agacttacaa atggccaaca
180cgaatatgaa aaaatactca atgttcccaa tcacagggga aatgcaaatt ataaccacag
240tgaaatataa tctcatccca gtttgaatgg ctattataaa aaagacaaaa aataaccaat
300gctgatgagg aggtagagaa aaaggaactc ttgtgcactg gttggtggaa atgtaaacca
360gtacagccac tgtggagaac aatatgaggt ttttcaaaaa actaaaactc atn

413

<210> 3050<211> 398<212> DNA<213> Homo sapien

ggcacgagac aaaatgaagc tttaaaacag ataaaagaaa tctacaattc cccattttaag
60taggctgtta aatccaacat ttaaaataaa aattaagcta tttcttttgg gtttcccaca
120ccactttttac ctgtactgat tttttttctt cttttttttt tttaaaaaaa cagggttttg
180ttttgtcact cccaacctgg agggcagggga ccaataata tttccttaca gcctcaaatt
240cctgacctca agggatctcc ttcccaaagg gttgcaattg cagggggaac cactgcccc
300tggtgttga aaaatttttg cctacagggga gggaaactac taaagtctct ggggaaccaa
360agtaaaattt cttaaaaaca aaaggagggg agaggaga

398

<210> 3051<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggc cctcagtggg catgttccgg tctcccaggt
60gacaccaacg ggtccacacag agaccagcct catctccgtc ctggctgatg ccacggccac
120gtactacaac agctacagtg tgtcatagag ctggaggcgc cccgtccggt cagccctcgc
180gcccctctct tctgtgcct tgagtggcag aggagccgtc cagccacacc agctttctct
240ccaccgctca gggcagggag gtctgaactg cggccccaga gcctttggcc taagctggac
300tctccttacc cgagtgcgc ctctatcccc tccccacgt
340

340

<210> 3052<211> 383<212> DNA<213> Homo sapien

cggtgctgtc ggagaattcc agtttttctc acatcctcat caacagttgt tattgtctgg
60cttttttatt atattcatct gtaatgtgaa gtgtttatct cattgtgggt ttgatttaca
120ttttccctgat ggttgatgat tttcaacatc ttttcatata ctattagtc attatgtatc
180ttcttttgag aatgtctgtt cagatccttt acctacttta taattgggtt atctttttaa
240tattgaactg taatagtttt taaaaaatat atcctaaata caagtctctt atcagataat
300atgatttgca gatattttct gtcattctat gtactgtctt ttcacattct tgatgataga
360cttttcagcc caaatgtttt tat

383

<210> 3053<211> 415<212> DNA<213> Homo sapien

ctcaggctga tctaaactcc tggcctgaag caattctcct gtctcatctt ccgaaagtgg
60tgggattaca agtgtgagcc actgcgctag cctatgcttt acttattcca aaaaaataac
120atgaatggaa agaggaaaaa taaacctgaa agcaagtga gatacattaa tccagctgta
180tttttaaatga gtaacataac cacaccgacg gggattgggt aagggaggat ggaaaatcta
240atccaagtga tttatcgaca catcaaatgt gtttgactgt atactgtcag ttgtggtggg
300ggatgggact gcaagaaaaa tcttgaggcc aggcgctggt ggctcatgcc tgtaattcta
360gcactttgag aggccgaggg aagatcacct gaggtcagga gtteagagacc agccn

415

<210> 3054<211> 421<212> DNA<213> Homo sapien

ggcacgagaa gaccttggat caaaaggaag cttctatacc tttttcttct tcgcttctc
60ctctcccaag caatggaaac ttttaccat gtaattctag ctgaactcag gaaaaagaag
120gggggaaagga ctctgtcccc ttggggctca tcacccttcc acatctctct cctcgttgcc
180ccctgggtcag gcagcttctt tttttttttt ttaaaaaggg atttttgttt tgteccccag
240cttgaaagcc aggggcccac tctgggttaa tggaaaactt tgcctccgga ataaaagcaa
300tactccggcc tcacccttta aagtaccggg aataacgggg cccctcccc cccccgggt
360tattttttgt ttttaagga aaacggggtt tacccttgct gcccaaatgg gtttaaaact
420g

421

<210> 3055<211> 162<212> DNA<213> Homo sapien

acctatnatg gaattctaat gtcattatct taatggaatc aatcgaaata tgctctatag
60agaatatatc ttttatatat tgctgcagtt tcttatgtt aatcttttaa cactaaagga
120acatgacata atcataccat agaaggaac acaggttacc at

162

<210> 3056<211> 381<212> DNA<213> Homo sapien

cgttgtgtgc gggctgtgag gcgctgggga atctcaaaaa acttcagccg gggacaatca
60aaaatctgaa gcaggacaat tggggagaga gagatcactc ttcttgaaga gatcatcatg
120cagttgtaga tccttttgtt ctgaaaggc cacaagaagc tgagaggaag tctgattcct
180cagtgcgcac ggggatggga ttgggtggg ctggtctggg ggtggagcca ccggtatggc
240tgacaagata ggggtgggt cagtgtggg caggggttga gagtgcgggc cctgggtcag
300cctgcttatg tatcagtcct gcctctgcca cttactatgc aacctggagc aagtgaacac
360ctcagggtc agagtcttca t

381

<210> 3057<211> 400<212> DNA<213> Homo sapien

nnnacgagat gaagtgtttg atgtgtacaa agccccactg cagggcgacc acaatcatct
60ttttataaga caaggtactg gtctacaggg acaagcagtc tttaaaacga aactcacctt
120cagacctcac tctacggaca gtgccacaca tagaaagatg actctgtcac ttgcagatag
180gtgttcaaag acacagaaga ttagaatctt gccaatggct ggtcgtgac ctgaatgcc
240acgcacagaa atgattaaga aagaagaaga acgtttgagg gcttccatac gtagggaatc
300tcagcagcgc cgaatgagag agaacagca ccagcggggg ctgagcgcca gttacctgga
360acctgatcga tacgatgagg aggaggaagg cgaggagtcn

400

<210> 3058<211> 335<212> DNA<213> Homo sapien

tacggctcgc agaagacgac agaagggcta ctatgttctt gataacctga tactgtctccg
60ttaatcctcg tgggttgata cttgaaagat atattaatcc tcatggagca ggatcagatt
120accaggaaca taggagtggg ttctgtcca aaccaaattg cattcctttg gatttttaaa
180tttaacttaa ttggctattc taaagagtcc ccctcaccca atgtttgatc attggagccc
240ttaagatgca caatgaaatt gtgttttgca ttttttggtg acaggactaa aggaaggacc
300tggtaatgta tgctggagca ttcttcttgg aaggg

335

<210> 3059<211> 387<212> DNA<213> Homo sapien

ggcacgagca ttgctttgct tgtgcatttt gtccaattct tggttcaaaa tgccaaaaac
60ctggacaact ttagtcaag gccctccact ggcaacatgt atatgtgttt ttgaggtggt
120aggtagctga gattgaagat gagtggattt atgaattgaa taacaataaa tatectactt
180aaaaaatgta aaagtggaa tcatctctt attgtgataa catatttctc ctccctggga
240atctgttggg cagattggag ctggcagggg agggcctgta ttgttgaagt tgccatggct
300actgcaggaa gtgagctttc ttctaaaaac ctactggcc caagaacaag cccaggcaag
360tctacaattc aatgacttag aagtatt

387

<210> 3060<211> 395<212> DNA<213> Homo sapien

ggcacgaggg tgtggagagg gcagtggccc tcatttatca ctctgacctt cacagggaca
60gatctgattt atttattttg gttaaaaaaa aaaaggggaa aaaaccaact ttgcattgca
120tgggctggac ccataaacta agttatatcc gggaaaaaaa aaaaaaaaaa aaacccctt
180aaaaataatg gggggggttt tcccgaacc ccaacctgaa aaaaaccctt ggggggttgg
240ggccaccccc ccctaaaagg ccgggaaaaa aaggcttttt ttggaaaatt gggggggtt
300tggttttttt tggaccctt taaaccggg aaaaacaagt taacccccac aatgggtttt
360tttttttttt ccagggcccc gggggggggg ggggg

395

<210> 3061<211> 399<212> DNA<213> Homo sapien

ctggtgttag ggtactttgt ttttgaggtt tggcagagat gtgtttaaga gctgcggctc
60acaagcgagg ggaggtgtgg gaggtttttc tattggagaa taacaaatgc taagggtgac
120gtggaagaag ttaaggacc tggagtgtt ggtgaatttc caatcatcat ccaggtcgg
180gtatatgaat acacaagctg taccacattc tctacaacat caggatacat ggaaggatat
240tataccttcc attttcttta ctttaaagac aagatcttta atgttgccat tccccgattc
300catatggcat gtccaacatt caggggtgtc atagcccgat tggaaatggg tctgatgaa
360tatgaagaga tggacaaga ggaggaggag gaatatgag

399

<210> 3062<211> 399<212> DNA<213> Homo sapien

tgacccttgg actctcagac accttgaggt tcagcagagg aaaaaggtag caaaaagaa

60tttgaacaga gggcctgatg aaacagtga gtttcacata acccaagcaa agaacatttt
120tcaagagaaa aagaaggac agttccatct attgatgttt gagaaatcaa atgagattag
180gtgagagaag aaactattgt gggaactaaa tgataagaac ttacgaacac aaagaaggaa
240acaacacata ctgagggtcta cttgaagtgg ggggaggtgt gggaggtttn ntatntnnnt
300nanntatgan anttaaaactg tgtgtaatta ggggggttta ttaaaaattt ttttaaactg
360gatagagaag cttaagaaat gtgtgtgctg ttgggggtgn

399

<210> 3063<211> 385<212> DNA<213> Homo sapien

cgatgctgtc ggcagaacac tgatgagctt cccagcacag ggacaggaaa ggtggcttgc
60gggtctggaa gaagggtcag gtggcattta cacagtggga gagggctgat cggagacagg
120cattccatgc agggcatttg gaagcaaaat gtggagggtca ggccatgctg ggtatttcag
180agaaggaaat atgggacatg tcggtgaacc cgaatgccta gtaaggcagc tctgatggag
240gaagccaagc tgatggcacc tctctggcac ttggcagcga tggccttcat tacttacgtg
300ctcctggctg ggtatggcact gggcattcag aaaaggtcag tgccaagccc ctctcttacc
360ctccctccc tgtgagctct tctcc

385

<210> 3064<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagaccac agaagggtac ggctgcgaga agaccacaga aggggtacggc
60tgctagaaga ccacagaagg ggaaaataaa aaaataaaac attttttttg gccctttttt
120tgcgaaagttc caactttatc aaaatctttt tataattttg gccaccccc aattaaagt
180ttgggaaaaa actttttttt tgggaaattt tggaaccttt tgcttttttt ggaccccttt
240aaacttgga taaaccagtt aacccccccc atttctttt ttttttttt taagtacacg
300gggggggggg gggagggtta gcttctgttg aaac

334

<210> 3065<211> 422<212> DNA<213> Homo sapien

cgttgtgtc gccaggcccc actcacacca ctacaggctc tactatagt gccattacca
60ctacccacag tgcctcaagc cccctcactc acactactac aggtccacc cacaagcccc
120taattctctac cttactact acaggcccta cctcaatat cataggcccc gtccagacta
180ccacaagccc caccacact atgccaagcc ctaccatac cacagcaatc cccgcgatac
240ttcaacgctt tctgacttcc aggtgatgac tgggccccca ataaatccc tttttgggtc
300nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
360nnnnnnnnnn aaaaaccccc cgcggcgctt tttgttagaa aaaaacaaaa aaaaaaaaaa
420aa

422

<210> 3066<211> 421<212> DNA<213> Homo sapien

ggcacgaggg gctggggcgc ccccacttg catctcagag accccggaat gcaaggcctc
60ctgcagctgc acccagggcg cccacagtgt atctggggat taggacgctc aggtgtccgg
120gccctgcccc cagcgcttg ggggagctg ctgtcacacc cagcaggtgc gggccgagca
180ggacccaaca gagggtcag gagggaagg cccaaccggg agccacgttg aaccagagg
240aagccgcccc acccagcttg gccacagcca tcttccctcc tgccggacag ggtgggccc
300ccaccgagca gaccagtgc cccgccttg tcccgggtca gcagcccag ggtccccttg
360cctcatctgg ggcggctgtg ggctctggcg ctctctctg gctgaggttg aaacagagac
420n

421

<210> 3067<211> 398<212> DNA<213> Homo sapien

ggcacgagac cgtgttgag gccattgca gaattattgac ttaccacagc gaccgtttca
60tggcatctca acagttagtc ttccaaatag tctgcaggaa gtagggcaca gaaacagggg
120gaggattggg tgttttctt gtttctgtgc cctacttgag tcttctaata ctctgtctag
180aacttgaatc ttgttagat aatgaagggtg atcaggtgat tcatacatct tctttcatca
240atcaacatcc aatcattttc tggaacctcg tttggtattt cagacgtttg gaccttctta
300gtgacttgcc aggacttacc ctacatctg aacattgtaa tgaagggtga cagctttctc
360tgtcatctct gttccaggat agcaaacttg tgtatatt

398

<210> 3068<211> 421<212> DNA<213> Homo sapien

ggcacgagag atgacatttt ctccgatttt tattatgttc ggttcacgga gcggctacat
60gaagtctga aggatgggtc gccccgggtc actccacttg gctatgtctt gccagcccac

120gtgactgagg agatgctatg ggagtgcag cagcttgggg ctcactcccc ctccaccttg
180ctgaccaccc tcatgttctt taataccaag tacttcctat tgaagacagt ggaccagcac
240atgaagctgg ccttctccaa ggtcttgcca cagacaaaga agaaccctc taatcccaag
300gataaaagca cgagtatccg gtacttgaag gcccttggaa tacaccacac tggccagaaa
360gttacagatg acatgtatgc agaacagacg gaaaatccag agaatccatt gagatgtccc
420t

421

<210> 3069<211> 386<212> DNA<213> Homo sapien

cggttgctgtc ggaataaaac attttactta aacacaaaga gcatcagtga cctgtgggac
60aactttatgc agccttatta tctatggtga ttggcgctccc tgaaagagag gagtggggag
120ggagatggaa taggaaaaat acttgaagac ataattggcca aagattttct gaataataa
180aaaactaagt ccacagatcc aagatgtca acaaaccctg agtatgagaa atatgaagaa
240aaatatgcca aggtcatca taacttgctg gaaaccagt ttaaaaagaa aatcttaaat
300gcaaccaggg gagaggatag ttacttgca tggaaacaaag acgaagtga cattacactt
360ctcattggaa acaatgccag taagca

386

<210> 3070<211> 415<212> DNA<213> Homo sapien

cggttgctgtc ggaggaacaa ataaacactt atgacatata gaaaacaaaa agttagaatg
60gcagaagtca gtccagcctt atcaatagta acattaaacg tgaatagatt taacaattca
120ttcaaaagac agattgttat attggatcag aaaacaagat ccagttatat gcagcctata
180gaaaacacac ttccaattca gagataaaat aggttgaaa taaaggacag aaaaagatgt
240atcatgcagg cagcatccac gagaagctg gagaggctgt acttttaaaa agttggaggg
300acagagtctc actctgtcac ccaggtgga gtgcagtggc acgatcagct cactgcaacc
360tccacctccc gggttcaagc aattctgatg cctcagcctc ccaagtaatt gggat
415

<210> 3071<211> 411<212> DNA<213> Homo sapien

ggcacgagac tgaccatgcc ccttggaaca gttatttagt ctcccggagt ctgtttgctc
60atctctaaag agaggggtgat gacagtacct ttttcccagg gttacagagg gattgaatga
120gatgatggat ggcccagtgc ctggaggaca gtagcacttt gtccttaata gggattttag
180caataaagcc agcatgaaat ttatttttca tgccttaga tttgaaaatt tatgacttag
240aatgtgtgta cttcttaggt taacctgccc ttcgtcacct catgaaaagt aagacagact
300taggtggctg actttggagg gtttttttgg ttatatttgc ttccattata gatcgaac
360cggttgaagc tggcccaggc acaagtacaa aaagactcta aagaagctgt t
411

<210> 3072<211> 406<212> DNA<213> Homo sapien

ttgagatttt aagtgaatgt aagcagaaaa agtcagatcc aatttacaga aatcagagtt
60agctacagct aggactcgtt tgggtggggg tttttagttt gtctttctaa agtcatgtgg
120accttaattt aattacaaaa gtctaccctg gtggtcatga aataggcagg cctatgaaga
180aaggcctttt actcttcag catgcaagct cagaaccaac acattactct ctgtgcctaa
240tggttctcaa tgtggttgat tttttttt aatttataga gcatttcggg ggaggtgtgg
300ggagtttctt nnnacttta tctccnnntt acaaaaattt gaggtgcaaa ggaaggccc
360gattttttt ttaatgaatt ttttttatt agatctcgag ggttat
406

<210> 3073<211> 409<212> DNA<213> Homo sapien

ggcacgaggt aaaacacccc ctacatgttc caattctggg cctgtcttct atctatcttt
60gcccttcttg tccgttccct gttctgagcc ccagggaact tagggctgaa agtcaccccc
120gaagcctcag accagatcgg gaggccacac gcagctcatg gggacagagg gccagggtg
180acggtccact catgagaagt gctatgtgac tccaggaggt ctgtccctct ccgggtctca
240atccccagcc caagctcaga tgaccagcc tgtgtccct tagcggccga ggagccacca
300cctgttcggg ggttgaggga tggcttccca gaggacctgg gacactcacc tagctcgttc
360atggcacggc ggtactcctc atcacaggac agcttcataa cagcacagg
409

<210> 3074<211> 406<212> DNA<213> Homo sapien

ggcaccaggn tgtccagagc gttgttcac tctacagact cctcagcgt ctgcagggtg
60tggtgtgca gcaggacagc tacattgagg accagaaact ggtgctgagc gagagggcgc
120tactcgcag cttgtccgc ccagctccc tcattgagca ggagaagcag cgcagcctgg

180agaagcagcg ccaggacctg gccaacctac agaagcagca ggcccagtac ctcgaggaga
240agcgcaggcg cgagcgtgag tgggaagctc gtgagaggga gctgcgggag cgggaggccc
300tcctggccca gcgcgaggag gaggtgcagc aggggcagca ggacctggaa aaggagcggg
360aggagctcca gcagaagaag ggcacatacc agtatgacct ggagcg

406

<210> 3075<211> 399<212> DNA<213> Homo sapien

ggcacgaggt ctgatgttgg cctaggggaag ggacggtact acagtgtaaa tgtgccatt
60caggatggca tacaagatga aaaatattac cagatctgtg aaagtgtact aaaggaagta
120taccaagcct ttaatcccaa agcagtggtc ttacagctgg gagctgacac aatagctggg
180gatcccatgt gtccttttaa catgactcca gtgggaattg gcaagtgtct taagtacatc
240cttcaatggc agttggcaac actcattttg ggaggaggag gctataacct tgccaacacg
300gctcgatgct ggacatactt gaccggggtc atcctaggga aaacactatc ctctgagatc
360ccagatcatg agttttttcac agcatatggt cctgattat

399

<210> 3076<211> 425<212> DNA<213> Homo sapien

atcccatcga ttcgaattcg gcacgagcta accaggacgg cccagtaggc agagctcatt
60tttattcctg tctgcaatcg tgcaaaaacg cctcttatgg aaaagccaga gcgccaggag
120tcagcaaaaac aactaaaaga ttgggcagtc actggggaga acactcagcc cgctgcacc
180cagggtgaaat atacagcctt gttgctcac caaagcctgt ttggtggttt cttcacacgg
240atgcatgtga catttggtgc tgaagaccca ggacaggagg actcctttgg gagaccagtg
300ccctgttgtc gccctcactc cgtgaggaga tccacctatg atctcaggtc ctcagaccaa
360ccagcccaag gaacatcttg ccaatttcaa atcggatagg agtgtcaggc ctctgagtcc
420aagct

425

<210> 3077<211> 404<212> DNA<213> Homo sapien

ggcacgaggt ttttgttttt aagagatggg gtctcgctgt gttgcccagg ctggaatgca
60gtgactgttt acagctgcga tcatagcata ctacatcctc aaactcctgg gctcaagcaa
120tcccccttgc tcagcctgcc aagtaactgg gactacaggc gcactgctgt acccggtttt
180gtgtttgttg aaataatttg aaagggatg ctggaagcat attaaagtgg ttattgaagc
240agatctgtgt tgggggtgat ggggagagaa aatgtgggct ccagttgagt ttaaggcagg
300agtgtccaat cttttggttt cgtggggcca cattgggaga tttgtcttgg gccatacata
360aaatacacta atgctaata tagctgatga gctaaaataa aaaa

404

<210> 3078<211> 376<212> DNA<213> Homo sapien

ggcacgagga ggggcgcgcc ggttccttgg ttcctgaggg cgatggcgcg ggggtggctgg
60cgccggctac gccgcctggt atccgtgggt cccttcctgc actactggta cttgtcgctg
120gaccgcctat tccctgcgtc tggcctccga ggcttcccaa atgtcctcaa gaaggtcctc
180gtggatcagc tggtagcctc tccattgctg ggcgtctggt acttcttggg ccttggtgctg
240ctggaggggtc agacagtggg tgagagctgc caggagctgc gggagaagtt ctgggaattc
300tacaaggcag actggtgcgt gtggcctgct gcgcagttcg tgaacttctt cttcgtgccc
360cctcaatttc gactcn

376

<210> 3079<211> 326<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcat ctataggaaa agtcttttcc ctatggaagc
60tactccctta aactagaaga ggcgactggt ccaccagatg cacagatatc aacataaaga
120cccaagaaac acaagaagc aaaaacaaaa cgaacaaaa aacacacaaa caaatgaaac
180gaaacacaa acttccaaat gaacataata attctcctgt tacagaccct aaagaaaaga
240aaatctatga aatactacga agaacttgaa aataatgac ttaaggagac tcagtaagat
300ataagagaat acagaataac aattca

326

<210> 3080<211> 393<212> DNA<213> Homo sapien

ggcacgaggg gaccactacc accaagacgt ggagatcgac agtggccctt aaagcctggc
60tgcgtgttta tttattggat acaaagcaga tggggcaggg taaagagttt acacattcgg
120caaagcacag ggcaacagc atctctaatg gaaggcgag cgttaccgtc tcatgccccg
180attccactct cggcccgcg tggccccgc ctttatcgtt attttccact tgcgcctact
240gctcaggcaa ttgtgcaggc gaccccgag cccccagccg ttctccccgg cctcagaga

300tttacggggtt tacctttcta atgaagccca acggaagctg ctaacgtggg aatcgggtgca
360taatgagaac tttctgctgg cacgcgctat ggg
393

<210> 3081<211> 390<212> DNA<213> Homo sapien

ggcacgagcc acaagaagca aaccagatgc ctctccatt tcccaagaag agcctcaagg
60agaagccaca cctgtgggca acagagaatc cccgggacaa gctgggatga attcaattca
120ttccccaggc cctgcgagcc cagtcagtca cccggatggc caagaagcca aggcactgcc
180gccctttgca tgtgacgtgt gcgagaagag gtttacgtgt aattccaagc tagtcatcca
240caagagatca cacacaggcg agagactctt tcaatgtaat ctctgtggga agcgcttcat
300gcagcttatt agcctccaat ttcaccagcg aaccacact ggcgagaggc cctacacgtg
360tgacgtctgc cagaagcagt tcaccagaa
390

<210> 3082<211> 349<212> DNA<213> Homo sapien

tatgtacttc gattgcgaca tgacaacata cagtgatgag ttggtgcaat gcactcctac
60aaggcaacga aagataagct ctatttagca acttcgtgat gctatctggt ttattgggaa
120ccattataaa ctgcaataaa ctggctagct acgacaattg catatcttgt atgttacaag
180attaagggga ggagcgtgga ggcttagctt anagtcacaa aaggagaact tgaaaaacaa
240atgcaagaaa aatctgacca gctatagatg catcatgcca aaataaagga actagaagat
300ctgaagagaa catttaagga gggatggat gagttaagaa cactgagaa
349

<210> 3083<211> 410<212> DNA<213> Homo sapien

cgggtgctgtc ggaactgggtg gtggctccag cagggtgtgac gatgaaagag ggaaatgaga
60tccctgcagcg tagcacgaaa ggtaccaggg agctagttag aaactcaacc cccagcctga
120ctccctgtcc acagtcccggt tgttcttca cagccttaca ggttatccca gcaaccagac
180tgagccctgg ggaagggtcg aataacctca ggcaggccag agcacaactc ctgccatcct
240tctcttagct tagggaagct tgccctaga gcagcatctt catagtatgt ttcccaaac
300tagtctatg cgatgtcat cagaaaaaaa tctgagcaa taactcctt ctctatcccc
360tatcttgcac aaagaattgc acattcactt attanaggct ctcaagaagn
410

<210> 3084<211> 390<212> DNA<213> Homo sapien

ggcacgagac atcttctcct acttctacat ggtatacggc ggcagctcgg gcaagccctc
60cgagaagaac ctctacgccc acatcgagcg cgcgtggcag gcgctgcga cccggtatgg
120cgtgagtcctc gagaacattt tctctatgg tcagagcatt gggactgtcc ccacggtaga
180cttgccctcg aggtatgaat gcgcagcggc aattctccat tcccctctga tgtctggttt
240gcgtgtggct tttccggata ccaggaaaac atactgctt gatgctttcc ccagcattga
300caagatatct aaagtcacct ctctgtgtt ggtcattcat ggcacagagg atgaggtcat
360cgatttctcc catggcctag cgatgtacgg
390

<210> 3085<211> 424<212> DNA<213> Homo sapien

ggcacgagga ggcgatgaag ggaaggtgg gaaagttagg ctctcgtaaa gcctagagga
60tgtgtggggg ccatacaata cggggagtag gccttttggg tagaatctac atgaaatgta
120tttaggcgatg ggaggggggc gccgacccgc ctacgcgcgc atgtgcatcg gaaacttttc
180ctgggctctt cgaccctcgg tcggctcccc ttaccgggca tgcgtattgc ggccagttag
240gccttcgcaa agtgctcagg gaagtgtagt gtgcagggaa agtaggtcac tctgctatc
300gcctgggtccg gaggtgtttg aggactacaa ttcccagagt gcagagcggg ccctcaccgc
360ccgcctctcc gcctacggtt gggttgagtc gatttttctt ggctcctgag gaacatggag
420tgcn
424

<210> 3086<211> 395<212> DNA<213> Homo sapien

tacggctgcg agatgacgac agacgggtac ggctgcgaga agaccacaga tgggttccgc
60tgcgagaaga cactgaagg ggacggctgc gagaagacga ctgaagggtg cggctgcgag
120aagacgactg aagggtacgg ctgcgacaag acgacttatg ggtatcggct gcgagagacg
180acagaatggt acggtgctaa aagacgacag aagggtacg gctgcgagaa gacgacagaa
240gggttacatt acatgatgt tcaatactag ataaaccagg cttttgtgtc aaagctagat
300tataggattt ggagtttaac tttcttttcc cagcaaggta gtggccatct gattcagctg
360gcaaaaactg ggaggattag tgatcaagaa attgt

395

<210> 3087<211> 423<212> DNA<213> Homo sapien

ggcacgaggt gaaagcccaa gttagatgt gcattaagta ttaaatagca cagtatcttc
60ttcatggagc cttttttcct ccccatccc ctgcagctgc ctttttttgg gggaaggggg
120ggaagggttt ttgaacttta aaaaattaaa aatatagctt attgaataac cgccataaaa
180aatataaatg cgaatatcat aaaactcata ctgctaaact aaattttttt tttttctgt
240aacggagtca taactatgat accaggctgt agtgcagcgg cagcatcttg gtatattgaa
300agctacacct tccgagggtca ctccatcctc ctgcataaac cgtataagta gctggcacta
360cagggtgacag ccaccatctc cagctaattt tttttgtgtt tttacaaaaa gagagagaaa
420aag

423

<210> 3088<211> 409<212> DNA<213> Homo sapien

ggcacgagag atggctcatg ggccaccaga agcattactg tattattagt atgatttaac
60ctggacatgc attaaaggtt ctattacctt tctttccgtc tgcctcaaca gctgagaagg
120ggccgccaag gagtgccaac cttttgctcc ctccatcttg ggagtgcagg atgggagagc
180gtgcgcccaa gagggggctt ctccctggctg gcaaggaggg aaaggcagcg agagggtgcg
240gcaggttggt agtcgtcagc aagctggcaa tgagaagggt ccgaactgat gaatggaaac
300ctgctgagct ggaggcgct aggtgacct tgcgagcat ctctgacagc aatcggcaca
360gctctctttg gaatagagga aagaagctaa acccaccgc cgaggatn

409

<210> 3089<211> 417<212> DNA<213> Homo sapien

gttgctggcc cttgattgct ggaaggattc cgaggaaaag gacaacaacc tgtgtgggtt
60ccctcccgac aactgaaatt gcaccataac tccaagaag aaacactccc agaaacaaaa
120ggcaaaagacc cctctgaaac caaagagcaa gtatcaccgc ctgacacata aacttcatga
180cctcgacatt gagacaaaat ctgcgctgtg gacctacaac accatcatt taactccacc
240aacttgggtt caataaaagg tcttatccca tcaacagaaa aatcattaag agaaaaatga
300atccccaaaa cgacagtctg cagatccgcg aaggaatccg aagacaagtc caaagtcaac
360gacaagcaat gatggcaatg gtgacctag ttaataaaaa gcggggagaa tgtgtgg

417

<210> 3090<211> 337<212> DNA<213> Homo sapien

tttacgctg cgagattact actgaaaggg cagccttgac ctctagggt aatggaatcc
60tcccacctta gcctctccag tagctggaac tacaggcatg catcaccatg cccagctgat
120tttaattttg taaaggcagg accttccat tttccccagg ctgactctta actcttgccc
180tcaagcaatc cttctctttt ggctcccaa aatgttggga ttacagatgg gagccccat
240accaccaat cacaaggatc tttataagag aatgaggcag gagagtcaga attatagaac
300gtgatgcggg aatggaagaa catgtcaaag agggacg

337

<210> 3091<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agaccacaga aggggtacggc
60tgcgagagac gacagaaggg cagccccctc tgggggcacc tgagagggtt ctgtccagac
120gatcccggtg acagtgtgtg tggaaatttc atgctgggca cacttgagge ccaaagctcc
180gattcccaag aggcgccaca gcaaccatgc caggaaactg ggccaggctg aggggtggcag
240gagaggggaga caggaggagg caggaggggg gcagggcctg tcagatggat ccctgacaac
300catccgtctc aagtcagagg taacctata tctttgcctc agcagatagg atgactttgt
360atgtaggggc ttcat

375

<210> 3092<211> 428<212> DNA<213> Homo sapien

ccactgaaac tctcggaan cccnnnnncc ccatcgattc gaactcggca cgaggagacag
60gctgcgggag gagctgcagg actgatgtac agaggccagg ggcccagggc aggaccagc
120ctggacttga ctccctggga tcccaggaag ggcacacctt tctctacca cccgagtga
180cgctgcccc tcaagagac ctctttgccc cctggccctt gggtagccg cctccccgcc
240agcgccatc cccgcccttg gtgtgcccc cgggcggtac ctgctctctc ccagcgccac
300ttggcctctt tctctctcc tccctccca tctctctct ccacctgcgc ctccctgtc
360tgaacttccc aacgccttcc tattccttcc caactcctt tccccaaat ttcacttcc
420ttctcagg

428

<210> 3093<211> 384<212> DNA<213> Homo sapien

ggcacgagga gaggcaggtct ctgctctggt ggtgatttta ctcaagaggg gatgtgaata
60ttttatatttt tgtgtggatt tctgtgtagg agtttttcta tgtatggaag aaagagaaga
120aaataactcaa atacctgagg ataatttgct caggagtcaa agtgataaac tagtttaatg
180aattaaagca tgggttttcca tgacaatttt taattacatc ctttgccaag acctctagaa
240aattacacct gctgagcaga tatcccaagg agcatgtgct attttaagat ccccttggtt
300ttcttttgaca gaagagaaat cagcaggagg acgactgatg agcgtgctgg aactggagaa
360gaggaggccc cgccccaccg ctcc

384

<210> 3094<211> 345<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggg ggtggatgag tgtggcattc cgtgaagagg
60aagggtggtta gtaaggtttc ccttctactg ccttcttaag ttgcaggagg gagcttttct
120cctccccctct ggttgggagc actgaggaca gtgaggaggg cttttacctt gttaatcctt
180tccttatttta gctagcttct ctttttgtct agggcttctt cttgagacct tcttccatcc
240attgggcttt tgaaaggact aatcagacac acacacacac acacacacac acacacacac
300actcgcatat tcatgcacat tttcttcat ttccagatcc tttag

345

<210> 3095<211> 425<212> DNA<213> Homo sapien

ggcacgagat tccagttctg gatataatcc caaaagcatt gaaagcaggg tcttcaagag
60atagctacac acccatgttc atagcagtat atgagttaaa gaaagaggaa agaaacatga
120aaagtggctc aatagtcaaa gacaggttta ttttgaagaa taaacctgag aggggcttct
180ggctgatttc ggtcaggagc atgttctctc acagactaag attatttaag ggttcaggga
240gagacagctt atgacaggct tgggaatgtt ctgtgtaagg gagaagtta tggcgggggt
300ggaatgtctc tggtcagagg ggaggtgacc ttggggctga catctctctt gctggagagg
360aggttatctc ggngctggca tgtctctata aagggagggg tttggaatgt ttctggctag
420aatg

425

<210> 3096<211> 402<212> DNA<213> Homo sapien

cgttgctgtc gggcatcccc ggggctttga taggagttgt ccgggacccc acggagatga
60gggttcagag ggtggtgagg gcacatagga ggggagggga agcctggctc tcaggcctag
120gccccatccc tgcctccagg caggtccagg ccttggaacc cgcttagcgt aggctagtgt
180gtatccctgg aaccagaaga gagttagtgg gctctggagg cctcaaagga cccccgtag
240actctgtgat ccccacgccc cagaacatgc gtgggcgcta tgaggcaagc caggacctgc
300tgggcacccct gcggaagcag cttaacgaca cgcgagtgga gcggcgggcc cttagaggaac
360acctgcgtgg cgccgtcggc cttgtccgc aggcactggc ca

402

<210> 3097<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gacgaaagt cctaggcccc cagccacact ggccagctcc atggggaatc
60tgccagaagt ggaattccct gtccccccag gcagaggcag gagtgtggag tctgtgcaga
120gccagcccca ggagcccggt agtgtcccc agacactgac tagcacgctg gagcacattg
180tgggccagct ggatgtcctc actcagacag tctccattct ggagcagcgg ttgacactga
240cagaagacaa gctgaagcag tgtctggaga accagcagct aatcatgcag agagcaacac
300catgatcagg ggagcaggaa tcaggagctc ggtggatttg cagggtggcag gccagggatt
360tgtaccgtgg gacttgggta aataag

386

<210> 3098<211> 407<212> DNA<213> Homo sapien

cgttgctgtc ggggtcgaag tgatcctcac gccttggcct cccaaagtgc tgggattata
60ggcatgagcc actgtgcttg gccaggattt tttttttttt ttttttgga agggagtttt
120ttttttgttg cccaggcgga agggcaagg ggaattttgg gttaattgga cctccccctt
180tcggggtaaa agggattttc tggcctaacc ctcccaagaa gggggaataa aaaatctgcc
240cccccttccc aactaaattt tgttttttaa gaaaaacgg ggtttttcct tgtgggcaag
300gggggtctta aactcttgac ctaaaggaaat cggccacct gggcctcaa aaggcgggga
360ataaaggcg gaaccccttg ttccaaaagg aaattttttt ttaatag

407

<210> 3099<211> 426<212> DNA<213> Homo sapien

cgttgctgtc gaaatgaaa agacaagcca tagactggga gaaataattt gcaaaacata

60catcttacag agcacttgtg tccagaatgt ataaagaact ctttttattt gcgtgtgtgt
120gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtttta tacagacact gtctatgttg
180cccacactgg tcttgaaccc ctggctcaag agatcggtct ttctcaccct cccaaagtgc
240taagattaca ggtgtgagtg accacgcccc gccaaagtct ctttaataagg cagcccgcg
300ttggtggtat atgcttgtta ttcagctct ttgagaggct gaggtgggag gatgatttga
360gatcaagagt ttgagactag cctaggggac acaggggagac cccatctcta cataaaatta
420aaaaaa

426

<210> 3100<211> 375<212> DNA<213> Homo sapien

ttcgaattcc gctgctggcg acgatttgc ttagggctcg ggcnnctac gtagcagagc
60aggtccctct ctgcgatcta ttgagagtca gccctcgaca caagggtttg gacactttta
120agaacaaaag atagttttct gaacattctg tgcctgcct gtctcctgtt gattcgcaga
180tgtaatatcg agtattcacc aactggcttc aatttctga acacattcac tgtatccctc
240attgtaaccg ttatccccc gcttcaaaat gtgccagttc cacttggtta taacgttggg
300aaaatgcagg tttatgaatg atgtggactt ttagaggatc aaatcaataa attggatttt
360ttattttttg agggg

375

<210> 3101<211> 388<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcat ctataggaaa aagtctttcc ctatggaagc
60tactccctta aactagaaga ggtgactgtt ccaccagatg cacagatata aacataaaga
120cccaagaaac acaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac
180gaaacacaac acttccaaat gaacataata attctcctgt tacagaccct aaagaaaaga
240aaatctatga aataactaaga agaacttgaa aataatgatc ttaaggaaac tcagtaagat
300ataagagaat acagaataac aattcaacaa aatcagaaaa acaatttcta aactgaaaga
360gaaattcaac aaggatggag ataccatn

388

<210> 3102<211> 417<212> DNA<213> Homo sapien

ggcacgaggt tactctttca ttactcaag aaatgatttc ttgagttccc ggcctttgtt
60agagagatga acgaggcacg gtccgtgtcc agctaaagga cagtaggact ggaagagcgt
120tgttttccaa ggtacaggat gccgcgctc ctaggagccg aaggagcggg aggccgcgta
180gaggagggga ccgtccccga gcctcgccga gcctgcggtg tagacacctc tgggtgtctag
240tggttgagga tctgttgacc gggcatggtg ggtagaagga acgctccgag cagaagaaaa
300tggtgtgtcg tgaagacatc tgcgtgtgcg ggggtgcgtg gtgcctggag atgaagctgg
360aaagagctgc tgcccaaagg gagcaaggag gaacagcggg attacgtctt ctacctg

417

<210> 3103<211> 340<212> DNA<213> Homo sapien

tctatcggtc gcgagatgac gacagaaggg tacggctgcg agaagacgac agatgggtac
60ggctgcgaga agacgacaga aggaattat gtaacatttc tgtacacagt acatcagtg
120acttaattag ggtgcctcct acctcttaca caaatgaaat gctttgtgac aggtattctt
180cctcttgaaa ggctttttta agaaaaaaa taatttttaa ctgtatacta gataatctga
240gattgcaaaa ggagcaccag ataaggaggg tgttaccatg ctgtgcagca gaagaaggct
300tataattaag cgtactacac tttatgctg ggttattcg

340

<210> 3104<211> 351<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga gacgacagaa gggtagcggt
60gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtac ggctctctac
120ttacaacctg ctttctctgc tgaagcctta cctcctcttc agtttccctc ctgacacaaa
180atcgaaaaata atatactgat agctggttag taacctcagt aagaattaaa actgagggtg
240tttactcatt ttgcctttta atcttttacc cctttttggt gaagggttcc ctttaggaaa
300aaagggtgtca aacaacctg agtttttttt ttttggcacc atttttataa g

351

<210> 3105<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaga agaaccatgg aacatcttaa caaagaaaag
60atagagttgt aataggattt gggagaatag tggagtttat gtgaaattta aacaaagcat
120tgtttttgata ggctaaaagc agtgtaaggc tgtgtaaagg ggtcaacatc aggtctgaac
180tgtcaatcag acccaggggt ctgtttgctt ggaaactaca aagttaacat aatgtggga

240tttttgcctt caaaaacttc ttctttgaag ctctatacct tggttgtaaa ttgaggctac
300ttanaaatta tacgtgtaaa ttgagtgtact tagatctgcc at

342

<210> 3106<211> 395<212> DNA<213> Homo sapien

atccgatgct gccgaaacca caaagctaca tactgaccct cttttttttt gagacggagt
60tttgctattg tgacccaggc tggagtgcag aggcgcaacc ttggcgtcac tgcaacttcc
120gtttcccggtt ttcaagggtat tctccggcct cagcctccca agtagctggt tttataggag
180cccgcacca gaccgggcta attttttagt tttagtagag acgggggtcc accacgttgg
240ccaagctggg cttaaatgac cctcttattt ttaacttga tacctgctat tctgcaaaaa
300gacaatttct agagtattta tgaatgggtt gattatcccc actcccacaa actctgaagc
360cagtgtctag cttactaaaa aaagagctgt atata

395

<210> 3107<211> 160<212> DNA<213> Homo sapien

gaacttccta cacaaccgt gtattcatcc cccagacgtt taaattgtgc ggaaatatct
60agtatcagct ttcatgttac agaccagcc cttgtctta cctctggagt cacagctgga
120ttaactaaat taactacaag aaaggacaac tatactgcag

160

<210> 3108<211> 422<212> DNA<213> Homo sapien

cggtgctgtc ggagactgga gaatgtatac acaccttata tgggcatact tccactgtgc
60gttgatgca tttcatgaa aaaagagttg ttagcgggtc tcgagatgcc actcttaggg
120tttgggatat tgagacaggc cagtgtttac atgttttgat gggcatggt gcagcagtcc
180gctgtgttca atatgatggc aggaggggtg ttagtggagc atatgatttt atggtaaagg
240tgtgggatcc agagactgaa acctgtctac acacgttgca ggggcatact aatagagtct
300attcattaca gtttgatggt atccatgtgg tgagtggatc tcttgataca tcaatccgtg
360tttgggatgt ggagacaggg aattgcattc acacgttaac agggcaccag tcgttaacaa
420gt

422

<210> 3109<211> 154<212> DNA<213> Homo sapien

gatcaactca nccaggaccc gccagcagat gcattgatgcc cataccttcc acagcaactc
60tgttttgacc caagaagatg cagcagctgc tggggatgc agaccagccc ctgacctgg
120atttatccgc tgattcagat gaagcccttc gaag

154

<210> 3110<211> 351<212> DNA<213> Homo sapien

tactgtgctt agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagcgg
60tgcgagaaga cgaccgaagg gtacgggtgc gagaagacga cagaagggga ctgcggcttg
120tgccgcttcc gcattgaagg ttccctggcct gttgcagcca tgggtgcattg cacctgcgtg
180ttgttcagaa agattcccaa atgctggaaa atcctctttg ctaagctgcg tgtcttatgc
240agaacctgct attgccgatt acgcatttac aacattacag cctgaacttg gaaagatcat
300gtctcagtga ttcaaacaga tatttagtagc tgatcttccg gctttaatag a

351

<210> 3111<211> 391<212> DNA<213> Homo sapien

gacccttgca ctctcagaca ccttgagggt catcagagga aaaaggtacc acagaagaat
60ttgaaccgag ggcctgatga aacagtgagg ttccacataa cccaagcctt gaacattttt
120caagagaaaa agaacggaca gttccatcta ttgatgtttg agaaatcaga tgagattaag
180tgagagaaga aactattgct ggaactaaat gataactaact tactaacaca aagaaggaaa
240caacacatac tgagggtctac ttgaagttag gggaggtgtt gnaagtttat cacacaccaa
300aagaagttag ggtccccgaa ccaggagaaac ggaggggtacc acaggacaat cgctgcccc
360caacctcgta gcaacagcgg taccgtggga g

391

<210> 3112<211> 396<212> DNA<213> Homo sapien

gggttnnngc cggcctacgg ctgcgagaag acgactgaag gatacggctg cgagaagacg
60acagaagggt acggctgcga gaagacgaca gaagggggtc cggcagaacc tgcacgccc
120cggagcttat gagagggtgt aattcatgga cccatccttg aatcagaatc aggccccact
180tctgcacag aagccctggg tggcaccagc aagtgttttg caagcccttg agaagcagt
240tctttgagaa cgtgacctgt gcccagga ccagatttac tcccagacc cagcaggaca
300tctgcatata acacacagcc gaagtcagaa aatatatttt tggtgactaa acggagcacc

360tggagtacat gataacacac acacacacac acacac

396

<210> 3113<211> 179<212> DNA<213> Homo sapien

cggttgctgctc ggagagacag aaggaactgg cgacagtggc ctcagggccg ctccgggggg

60cctcaagaac cggaggcagc cccggaggct gccgcgggag gacacgccag aggaggaggc

120cggggaatgg ccgcgggtgtg gcagcaagtc ttagcagtgg acgcgaggta caacgcgta

179

<210> 3114<211> 352<212> DNA<213> Homo sapien

tctactgctg cgagaagacg acagaagggt acggctgcta gaagacgaca gatgggtacg

60gctgcgagaa gacgacagaa gggtagggct gcgagaagac cacagaaggg tacggctgctg

120agaagactac agaagggtac ggctgcgaga agactacaga agggtagctgc tgcgagaaga

180cgacagaagg gtacggctgc gacaagacca cttaagggtta ccgctgcgag aagacgacag

240aagggtaccg ctgcggtaga ccacagaagg gctattgcat gccagcagct atctggggcc

300ctgggacatc tgtgccagtc cttgagcgcg gagccgctcc agccaccgtt ct

352

<210> 3115<211> 333<212> DNA<213> Homo sapien

tacggctgctc agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc

60tgccagaaga cgacagaagg gatatactaa gagaaagcca tcccttctctc agtccagagg

120aggaatccta attaaagccaa tcaggtaatt tcattctgct ctgtcagtga ctggccatga

180ggacagatgg gaaaatctag aagcttctgg aaatatgttt ctctcttcta caccttctac

240agaagggtgtg ggaggaagag tgccctttct cctctcacc ttcctcccaa ccggtagaaa

300attcaacaga attatttttt taaatgctgg cat

333

<210> 3116<211> 346<212> DNA<213> Homo sapien

tacggctgctc agaagacgac agaagggtc ccaatcaagg ggttctgggt ctgtaacagg

60gcttaagttt aggaactgat taaggagcta tgactgggtga ttttaagttag gcactctgtc

120acttacctta gaactcttcc tttgtacag atcaatttag aatttagtgg aatgcccatc

180ttttgttttt ttctaggaac actatgacca gccagccaat gctgtagggt tctgtgaatc

240agactattca gattattgct ttgactttgc cgtccattat ggtaaccata actactttat

300cttttagtgat taagtgtgc cacttgcccc ctgccacccc aggatg

346

<210> 3117<211> 343<212> DNA<213> Homo sapien

tacggctgctc agaagacgac agaagggtg agactctgtc tcaaaaaaaaa aaaaaaaaaa

60attagacttc aaaaggggtg ggctcctgaa atcccgccct tttggggacc ataaccagg

120gccccaggat cactcgacc aggaattaa aaataaccct gacaaaaata aaccccgttt

180ttgaaaaaaaa ttttaaaaaa ctaacttggc ttgggggctc acccctgtag cccacctat

240taaggaggct ggggtgggag gaccacttga ttctaaaagg ttaaggctgc cttgaccctt

300tatcacacca ctgttttcca ccctgggtga caaaccaaaa tct

343

<210> 3118<211> 403<212> DNA<213> Homo sapien

ctgggatcat gccattgcac tccagcctgt gtgatagagc gagacttctg ctcagaaaaa

60aatctaattt taaagtctta agattttgcc attcctctta ctcccaaca aatctttggg

120gaaaaaaaaa ctaccaactg tcagccatgg gcctgacggc gctaagctct ggggctccgt

180gcactgacgt ggggccagcc acagggaggc ggggatcaag tagcggaggc caggattttg

240gccacctccc gggcaagttg cagggcagtg gcgccgggag caaaagcagc atgatgcagc

300tcatgcacct ggagtccttt tatgaaaaaa cctcctcctg ggcttatcaa ggaagatgac

360actaagccag aagactgcat accagatgta ccaggcaatg aac

403

<210> 3119<211> 357<212> DNA<213> Homo sapien

tatcggtctc tagaagacga cagattggta cggctgcgag aagacgacag aggggtacgg

60ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga

120gaagacgaca gaaggccctc tctacaccc cagggccttg tcatcagact cctcagctc

180cagacctccc tgtgcagtaa ctccccctc aaagaattca catccctgga cagcagtggg

240ccttttaaac tataaagccc attctgctcc tacttttaga cgatcctacc aagtttagag

300aagaaggat ctaggattga aagtacccca taagaagata ttccgaatac catagag

357

<210> 3120<211> 404<212> DNA<213> Homo sapien

ggcagcagggc cgggggagg accagcgcgg agccgacatg tgtctgcgcc tcggaggcct
60gagtgtgggc gacttccgga aggtgctgat gaagacaggc ctgggtgctgg tgggtgctgg
120ccatgtgagc ttcacacag ctgccctgtt ccatggcaca gtgctgcgt acgtgggcac
180ccctcaagat gcggtggctc tgcagtactg cgtgggtcaac atcctctctg tcaattccgc
240catcgtggc atcacttcag gcatcgcagc catcgtgttg tcacgctacc tccctagcac
300ccccctgcgc tggacagtgt ttagctcgag cgtggcctgt gctctcctt ctctgacctg
360tgcctcggc ctcttggcct ccatcgccat gacctttgcc accn

404

<210> 3121<211> 372<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg
60gctgcgagaa gaccacagaa ggggtacggc gcgagaagac gacagaaggg tacggctgcg
120agaagacgac agaagggtac ggctgcgaga agacgacaga agggctgcag cagaggagt
180gggagatcag tctcaaatcc atgtccctga ctaactaaaa ttgaagggtt atatagcaga
240aaaggatgt agctatgtgc aggaacacag caattagaga ggggtaagga agaggagtgtg
300tcaataggaa gcaggtggc ccttagtaaa ccaataatta cagcaggtaa agaaacaatc
360acgatgaatg ag

372

<210> 3122<211> 387<212> DNA<213> Homo sapien

cggtgctgct gcattggcct ttgctgaatt ttgcttggg tggtagtggt aattagaatg
60aataggtttt aaggccattt atggtggctc atacctataa tcccagcact ttgggaggcc
120aaggcgaaag aatcagttga aaccaggagc tcaagaccag cctggacaac atagcgagac
180ccccgcctct ataatttttt tttttttta aattatccaa gtggggcggc acacccttt
240agtctatct actctggaag ctgaccagga ggatggcttg accccaggag ggcaaggatc
300caggagcta tgattgccc actgctttcc accctgggtg acagagaagg accctgtgtt
360aaacaaaaaa aaaaaaggcc cgggacc

387

<210> 3123<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtaggc
60tgcgagaaga cgacagaagg gcttctgata gcattggcta ttataagaaa caagtatttg
120ctctcgtttt taacgggata ataagtctat gtctacataa atgatttct gccacctaa
180atagctcact gtagaaattc atgtataaat ggaaccatat agtacataca tatactctta
240gggtctggcaa atatttgagg ttcattccata ttttatattc actcatcagt agttgtaaac
300acattcttaa agtagcattt tcagttatga ataagcaagg at

342

<210> 3124<211> 338<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtaggc
60tgcgagaaga ctacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagacgacag aaggggcttc acgacttatg gcatgtctta tttaaaaaa aaaaaggact
180aggggcaaat aacattttga ggggggtattt aattaaaaat ccatgcaggg acagctgagt
240tcgggtttta tgttgggcta atacttccta aaattattta gaacaggact ggctagaaaa
300actttctgcg atgatgcaag ggttctatgt ctatgctn

338

<210> 3125<211> 393<212> DNA<213> Homo sapien

cttttagaac gagtttctgc ctgtgcactg aagaatttgc ctccaaagac atgacgccac
60tgaagccagc agaaatgcag gaagccaacc taacaagcat ggggcttttt atgaagagga
120tagacattgc gggcctaggc cactgtgact tcatgaacag accagacca gaaagtttga
180tgcaggcatt ggaagactta gattatctgg cagcactgga taatgatgga aatctttctg
240aatttggaat catcatgtca gagtttcctc ttgatccaca actctcgaag tctatcttag
300cgtcctgtga atttgactgt gtagatgaag tgctaacaat cgcagccatg gtaacagctc
360caaattgctt ttcacatgtg ccacatggag ctg

393

<210> 3126<211> 325<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggt acggctgcga gaagaccaca gaagggtacg
60gctgcgagaa gacgacagaa ggggtacggc gcgagaagac gacagaaggg tacggctgcg
120agaagacgac agaaggggac ccagaattat ctgggtcaat aaaaataatt ggcctattct

180tctataattg ttggggctaa aatgaccaa taaattagtt cacttcagta acctaaactc
240aagcattcct atgtgccttg ctctctttct tgcctctgaa tcttatacat gagtatatgc
300tttaaattgga caatagcata ttatc

325

<210> 3127<211> 325<212> DNA<213> Homo sapien

taccgctgcg agaagacgac agaagggtag ggctgcgaga agactacaga agggtagcggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagaccacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcca gaagacgaca gaaggggctc gcgatagcca gccgcggctg
240cccttgcgct tcccgaactg gcggggctccg tggcgcgga tcgagattgc gggctatggc
300gccccagggtt tttcgtcagt actgg

325

<210> 3128<211> 375<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggtag ggctgcgaga agacgacaga agggtagcggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacta cagaagggtta cggctgcgag
120aatacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcca gaagacgaca gaagggtagc gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtag
300ggctgcgaga agacgacaga agggtagcggc tgcgagaaga ctacagaagg gtacggctgc
360gagaagacga cagat

375

<210> 3129<211> 377<212> DNA<213> Homo sapien

tactgttgcg agaagacgac agaagggtag ggctgcgaga agacgacaga agggtagcggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgat
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcca gaagacgaca gaagggtagc gctgcgagaa gacgacagaa
240gggtacggct gctataagac gacagatggg tacggctgcg agaagacgac tgaagggtag
300ggctgcgaga agacgacaga atggtagcggc tgcgataaga cgactgacgg gtacggctgc
360gagaagacta cagaagg

377

<210> 3130<211> 337<212> DNA<213> Homo sapien

ttacggctgc gagaagacga cagaagggtta cggctgcgag aagaccacag aagggtacgg
60tgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcca
120gaagacgaca gaagggtagc gctgcgagaa gacgacagaa gggtagcggct gcgagaagac
180gacagaaggg tacggctgcg agaagacgac agaagggtag ggctgcgaga agaccacaga
240aagggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga ctgaagggtta
300cggctgcgag aagacgacag aagggtacgg ctgcgag

337

<210> 3131<211> 336<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtag ggctgcgaga agacgacaga agggtagcggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aacacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcca gaagacgaca gaagggtagc gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtag
300ggctgcgaga agacgacaga agggtagcggc tgcgag

336

<210> 3132<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtag ggctgcgaga agacgacaga agggtagcggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcca gaagacgaca gaagggtagc gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtag
300ggctgcgaga agacgacaga agggtagcggc tgcgagaaga cgacagaagg gtacggctgc
360gagaagacga cagaagggt

379

<210> 3133<211> 338<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcgga gaagacgaca gaagggattc aaaccaagg caaagaagtt
240gaaaactttg aaaaaaattt agaggaatgt ataactagaa taaccaatc agagaagtgc
300ttaaggagc tgatggagct gaaaaccaag gctcgaga

338

<210> 3134<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaacacga cagaagggtcc ttaatgggtg
120gacttgcaga aaccgtggcc atttttcac acagcctttc ctatactgtg tgacctcaag
180aacttcctgc tttaggatgc ccagttaata atatgggtatc tgtgggatgg agtgaactct
240ttaacaaata ttaccacaaat acttactttg agcaagacac tgtgcttggg gatgggtgag
300taccgagaag ttgcaactgg tggttcattc tctg

334

<210> 3135<211> 344<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaaggggtac
60ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtttagcttt
120ttaattatgc taaatgacac atataattat tctttaatat ggaaatatgg tatgtagaat
180ttcatcatta tgaaatttat atatcaagga agtaataaat atgcccagca gatattccct
240aaaaatttcta taccatttta gagggtttct ttctttgctt tcaccatgat gttcttccta
300aattatcaat aacacatata ttaactatag tttttcatta tccn

344

<210> 3136<211> 353<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtc aaagccaaga
120tcgtgccact gactccagc ctgggcaaca gaaggagact cgtctcaaa aaaaaaaaaa
180gaggggggct ttttaaggga aaaaataatt cctttttttt ttcataggcg ggaggggcaa
240actttgccac aaagtattta aatacctttt acccttggtc aaaaaatctt taggygacat
300aaaaccggtt ttgggcgggg ggggtcccc cgtgaacca accttttggg ggg

353

<210> 3137<211> 384<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagacgacag aagggtgccc agaattatct gggtaataa aaataattgg cctattcttc
180tataattggt ggtgtaaaaa tgaccaaata aattagttca ctacagtaac ctaaaactca
240gcattcctat gtgccttgc ctctttcttg cctctgaatc ttatacatga gtatatgctt
300taaatggaca atagcatatt atagatcctg agaaatcctg tgttaagtaa tccttgagat
360tttgcttaac caagtatttc tcgt

384

<210> 3138<211> 403<212> DNA<213> Homo sapien

ttacgagccc agtgcgactc ccaatacatt gttgagtcac agcagaggt ctactgagga
60cctggcaggc tcgcaggcca cctgagcca gaggtccaca cctgggtcta ccccgagccg
120gtggccgctc cctttaccca caggcatgcc atctcctgag gatctgcggg tgggtgctgat
180gccctgggtgc cgtggcact gccactggaa gtcagggcac catgagacgg agccggctcg
240ggaagctgca cggcctttcc gggcgcttc gagttggggc gctgatccag ctccgaacgg
300agcacaagcc ttgcacctat caacaatgtc cctgcaaccg acttcgggaa gagggtcccc
360tggaacacaag tctctgtact gacaccaact gtgcctctca gag

403

<210> 3139<211> 335<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtctaggg ccaccaaaaga
180gaggttaatc agataaagac agaaagtccc ctgtgtgttt tagccattag aaagtcttgg
240ggatcttggg tgagaccagt tcaatgtcg aggtggcggg ggtagagtcc agacaagccc
300tcggggcatt gtggctgggg gagagggaat atgat

360ggactggatg ggcacaatga cacgggcttg gtctttgccca cc

402

<210> 3332<211> 372<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa ggctggaagt acaccttggt ggaggcttca
60gtgacgacag gcagttgtca caaaaactca ctcatcaact tcttagtgaa tttgacaggc
120aagaagatga cttcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa
180acgaaaacca cttccagta atatatggca ttgctgtcaa cattaagact gcagagattt
240acagagcatc ctttcaagat cggggtccgg aggagcagct tcgtgctgcg cgaactttag
300caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt
360actcctggac cg

372

<210> 3333<211> 436<212> DNA<213> Homo sapien

gaacctttga aagangnnnc ttgggatttc cgcaggatcc catcgattcc aagtcggcac
60aggagaaac tccggtcggg tcagctctcc tacaaagaag atccagtggg atggcaaaaga
120ttgttggtc agactgttgc taacaggaac tctgaagccc gggctttcaa gccagaaaca
180atctcagcat tcaactctga tccagcactt ttgtcatttg ctgaatattt ctgcaagcca
240actgtgaaca tgggtcagaa acaggaaatt ctggatctct tttcttcagt actctatgaa
300tgtgttacct ctttcaagat agagatgttg cctgcataca tagcaatgga tcaggctata
360agaagacttg ggagaagaga aatgtctgag acttctgaac ttggcagat acagatggtg
420ttagagtttt tcagct

436

<210> 3334<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa ggctggaagt acaccttggt ggaggcttca
60gtgacgacag gcagttgtca caaaaactca ctcatcaact tcttagtgaa tttgacaggc
120aagaagatga cttcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa
180acgaaaacca cttccagta atatatggca ttgctgtcaa cattaagact gcagagattt
240acagagcatc ctttcaagat cggggtccgg aggagcagct tcgtgctgcg cgaactttag
300caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt
360actcctggac accattn

377

<210> 3335<211> 408<212> DNA<213> Homo sapien

ggcacgaggc ttcttctcct tggatttggt taggattcca agtaactctt atttgcctca
60gtgatccaca agctcagaaa tacatcgcg aaagtaaatg ttttagtcatt gaaaaaatg
120ggaaattacg atatgaaata gatactggag aagaacaaa atttgttaac ccagaagatg
180ttgccagact gatatttagt aaaatgaaag aaacggcaca ttctgtattg ggctcagatg
240caaatgatgt agttattact gtcccgtttg attttgaga aaagcaaaaa aatgctcttg
300gagaagcagc tagagctgct ggatttaatg ttttgcgatt aattcacgaa ccgtctgcag
360ctcttcttgc ttatggaatt ggacaagact cccctactgg aaaaagct

408

<210> 3336<211> 421<212> DNA<213> Homo sapien

cttttgcaaa aggcggaaat ctgaccctcg gagggaaactt gactgtggcg gttgggcctt
60tgggaaggaa cttggaagga aacgtggccc tgagaagctc cgctgccgtc ttcacgtact
120gcaagtcaag gggactcttt gcaggcgtgt ctttagaagg gagctgtttg attgaaagga
180aagaaactaa tagaaaattt tattgtcaag atatccgagc ttatgacatt ttatttgag
240atacaccgcg gcctgtctca gccgaagatc tttatgaaat tcttgattcc tttactgaaa
300agratgaaaa tgaaggacaa cgaatcaatg caagaaaagc agcaaggag cagagggaagt
360cttctgctaa agaattacct ccaaagccat tgtcaagacc acagcagtca tctgcaccag
420t

421

<210> 3337<211> 455<212> DNA<213> Homo sapien

cgttgctgtc gcagagagtg ttccctggaa gagattgcgg aagagactgc agaaacattt
60gatgtgttg tagcttctga agttgttagaa catgtgattg atctagaaac atttttacag
120tgctgtgtc aagtgttaaa acccgagggt tctttattca ttactacaat caacaaaaca
180caactttcct atgccttggg aattgttttt tcagagcaca ttgcaggat tgtaccacaa
240ggtactcata catgggagaa gtttgtttca cctgaaacac tagagagcat tctggaatca
300aatgagctgt caggttcaac agtgtgagga atgctctata accccttctc aggttactgt

60tgcgagaaga cgacagaagg gtacggctgc gagaagatga cagaagggtta cggctgcgag
120aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaagggt ggtttttttt tcttgctgca gcaacgcgag
300tgggagcacc aggatctcgg gctcggaacg agactgcacg gatt
344

<210> 3147<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagagacaga aggggtacggc tgcgagaaga ccacagaagg gtacggctgc gagaagacca
180cagaaggggtta cggctgcgag aagaccacag aagggtacgg ctgcgagaag acgacagaag
240ggtacggctg cgagaagaca acagaagggt acggctgcga gaagacaaca gaaggggtacg
300gctgcgagaa gacgacagaa ggggtacggct gcgagaagac nacagaagggt tccgtcagtc
360catctccaaa gccct

375

<210> 3148<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga aggcgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagacgacag aaggggtacgg ctgcgagaag acgacagaag gatacggctg cgagaaggcg
180acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaagggtcga
300ttcctgggat ttgacatgc tcccttctcc tccattcggg gggaaaagtg tgaaatgaag
360ctacatggac ctc

373

<210> 3149<211> 374<212> DNA<213> Homo sapien

tacggctgcg aggcgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg
60cgagaagacg acagaagggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa
120gacgacagaa ggggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac
180agaagggtac ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg
240gtacggctgc gagaagacga cagaagggtta cggctgcgag aagacgacag aaggggtacgg
300ctgcgagaag acgacagaag ggtacggctg cgagaagacg accgaaggga accggctgca
360tatctatgac atag

374

<210> 3150<211> 372<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaagggtcac
300ggctgcgaga agacgacaga ggggtacggct gcgagaagac gacagaagggt acggctgcga
360gaagacgaca ga

372

<210> 3151<211> 381<212> DNA<213> Homo sapien

tacgggttcg atatgactac aggcgggtac ggctgcgaga agacgacaga aggggtacggg
60tgcgagttga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag
120aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaagggt tacggctgcg gaagacgaca gaaggggtacg
300gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaagggt tacggctgcg
360agaagacgac agaagggtga g

381

<210> 3152<211> 395<212> DNA<213> Homo sapien

ggcntncccc gcctcggcct acggctgcta gaagtcgaca gaaggggtacg gctgcgagaa
60gacgacggaa ggggtacggct gtgagaagac gacagaagggt tacggctgcg agaagacgac
120agaagggtac ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg
180gtacggctgc gagaagacga cagaagggtta cggctgcgag aagacgacag aaggggtacgg

240ctgctagaag acgacagaag ggtacggctg cgagaagacg acagaagggg acggctgcga
300gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac
360gacagaaggg tacggctgcg agaagacgac agaag

395

<210> 3153<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggtgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggg acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa
240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggtgga
300taactgtggg aattctagag ctaatacatg ccgacgggag ctgacccnct tcgcgggggg
360gatgcgtgca tttt

374

<210> 3154<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg ggagtatgct ggggtgagaga atgcaagagg gaaacaatca
120gcctgcggag ctaacagacc agcttatata gggcctgtgt gtgaagtggg agagttcggg
180gttttctctg aatttcaatg agggagaagg aaggtagcat taaaggctat taaccaataa
240gacaccaaga ttcaatttat gttttagatc attctggaag tgctatgtag agcaagttag
300agagagacca gactagcagc agagacttcc cagcagagtt gggaaagtgc tacagtaatc
360ttggtgagaa atggg

375

<210> 3155<211> 410<212> DNA<213> Homo sapien

ggcagcaggc tcacagaggc agccacgagg ctctacacca agtattatat aaaagccatt
60aaatttgaat gcccttggac aagcttttct taaaaaaaaa aaagggtgaat atacttgtta
120aaaaattttta ttaaaatcca aatttttttg gtgaagcccc aggcagcatg tggggccatg
180caccatttat acttaatat tggggagggg aaaggggaat tttcaaggta tatatatatt
240atccctgctt atatttagaa atatgccttt acctttaaca aggctaaaat tgctcgggtg
300attatttcac aaaatacgtt agggggaggc agtaatacta tgctaagcta ctaatagatg
360ctaaaagtct ccaagcacag ggcatatttt atacggctct tttcaaatg

410

<210> 3156<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtagtaaggg gaagctggaa gactcagcca gtctagcctt
120tccacattcc attagcagct gattagatgg gccacccag actgagggtg gtctacctcc
180ccagtccact gactcaaatg ttaactcctt tgccaacacc ctcatatata cccccaggaa
240caatactttg catccttcaa tccaatcaag ttgatactca gtattaacat ttcgaggcta
300caccctagac caaacctacg ccaaaatcca ttctactatc atattcatcg gcgtaaatct
360aactttcttc ccacaa

376

<210> 3157<211> 411<212> DNA<213> Homo sapien

gcgttgggag ccagggtgctg tgccggacgt gcttggagca gcggctgcag ggcgaggtgg
60tagccgttga ctaccaatcc aaaatgctgg ctttaaatg tccctcttcc agtggaaagc
120ccaaccatgc agacatcttg ctcataaact tacagtatgt ttcagaagtg gaaataatta
180atgaccgaac agaaaccctt cctcccctag cttcactcaa tgtagtaag cttgccagca
240aagcacggac agagaaggag gagaagctga gccaggccta tgcaatcagt gctgggtgct
300ctctagaggg ccagcagctc ttccagacca ttcacaagac cattaagac tgtaaatggc
360aagaaaaaaa catcgtagtc atgggagaag ttgttattac acccccatat n

411

<210> 3158<211> 384<212> DNA<213> Homo sapien

cgttgctgtc ggccgccgcc gccgcgttgg cctgcgcc cctgctcgga caccatgcca
60caaggagagt gatctcttcc cctgttttca caatggagga ctccggaaaag actttcagct
120ccgaggagga agaagctaac tattggaaag atctggcgat gacctacaaa cagaggggag
180aaaatacgca agaggaactc cgagaattcc aggagggaag ccgagaatat gaagctgaat
240tgagacgca gctgcaacaa attgaaacca ggaacagaga cctcctgtcc gaaaataacc
300gccttcgcat ggagctggaa accatcaagg agaagtttga agtgcagcac tctgaaggct

360accggcagat ctcagccttg gagg

384

<210> 3159<211> 439<212> DNA<213> Homo sapien

gcggatccca tcgattcaat tccgacgagc cggcgagcag tccgctacgg tttctccagc
60ccttctttga gacggggacc aggggatggc agccatgcac ctgacagcct ggccccagga
120acctattgtt tcagaagtcg gtgacctttg aggacgtggc tgtgtacttc acccaggcgg
180aatgggatgg cctgtcccct gcacagagga ccctgtacag ggatgtgatg ctggagaatt
240atgggaatgt ggcctccctg ggatttccac ttctcaaacc tgctgtgatc tcacaactgg
300agggaggaag tgagctgggg ggctcatctc cactggctgc aggaacagge ctccagggcc
360tccagactgt agatattcag actgacaatg atttgacaaa ggaaatgtat gaaggaaaag
420agaatgtatc atttgaacg

439

<210> 3160<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg cggtgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggg actcctgctc agcatggctg ctttagggac tgttctcttc acagggtgtcc
240ggaggctgca ctgcagcgtg gccgcttggg cgggcggcca gtggcgacta cagcaggagc
300tggtgcccac cccctccggc tacgggcccc ttaccgagct cccagactgg gcatatgcgg
360atggccgccc tgn

373

<210> 3161<211> 369<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgagg agacgactga aggggtacggc
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg cggtgcgag
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg
180acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa
240gggtacgcct gcgagcagac gacagaaggg ggagcctcat ctgcaatgta ggggccggcg
300gacctgtccc agcagctggt gctgcaccag caggagggtc tgcctccctc actgctgctg
360ctccagctg

369

<210> 3162<211> 421<212> DNA<213> Homo sapien

ggcagcagga gagagagaga gatctagttt cgagagcagg cttttttttt ttttttttt
60aacctcgga aaaaattttt ttgaaaaaac ccccttaat tggctactgg gggatttaat
120tcccgggatt tttgggacgc ccttggcttg aaagggggaa aagtttaaat ttatggaacc
180aacctgggg cctatttggg aaatcaggcc cttggggcaa aacagaaaaa atcttttgcc
240ccccaggatc cgggattccc tggggaaaaa aaaatcaggg aaaaaaaccc ccccttcag
300ggaaggtctt tgtacaaaag ggaaaggttt aaaaaaagg gcgggggaaa aaaaaacgga
360ggaggagcga ggtttcagga aaatgccagg gaagggaagg ccctggaaa aaacctttt
420a

421

<210> 3163<211> 398<212> DNA<213> Homo sapien

ggagaaagggt gggcatagta caacccccag gactgtgcct tccccaggac accctcatcc
60ccccagtcga ggatatcttg ctgactgggt cacccttctt cacaggacac acacacaggg
120ccatgaaaac ggccttcttc aaagatccca cggctcgggc ctcccttccg gggccacctt
180gcccagtgcc cgggggcttt ccttcccaga agcctgtgag gtccggggta cccactctc
240aggaacccca aggtcagggc accgtctacc ctggctcagc tcgtcaccga ccgtctgaag
300cccttctct caccaaagggt tcggagctgg cggngggctg aggtgttcac gaacagtcce
360agccctggg gctgcatgtc cagttctgtg cggcatga

398

<210> 3164<211> 396<212> DNA<213> Homo sapien

gacctgtgt gccattcatg tgcaccatac tatacactgc aggattcccc tgggtgggcaa
60actgtgtgt gggaaaggag ctgtaagtaa acaaatggta atattacctc tggaaagtcac
120tttagcgaca aagggcacgc ccacagaaat tactacaatt gtgtcaaaac ttgctatact
180taagctggga atgttagaga aaactccctg acagcctgtg atccattttt cacagcttct
240tgtactagac accctaatag atatgtcgt gcttgaagga ctctcaaaat ggacaagcca
300aatcacacct tctaataatga acccagtcct ttcaacctct ccacccaaaa aggcttgact

360gaaaaatata ttaagttctt ggactttctgg gactag

396

<210> 3165<211> 408<212> DNA<213> Homo sapien

ggcacgaggt gatccaccac ctcgccctcc caaagtgttg agatgacagg caccagccac
60caggcccagc ctgagtggta tttcttttag ggaccaggtg gactttaaaa cgagggttaag
120agaaaagcca gtgtctttct gaggtaaata atttctgcca ggaaacttcc cagccccacc
180agcagccacc ctaaaaaaa tcaactcgtgt cccagggac ttctaaagct tggggctcca
240ggaaatcatc cagtagaggt ggagattcag agatttcttg aagccaggga catgctccta
300actcctttcc cattaaaggt gttagaatag accagagggt gtcccttttc cacagtaatg
360ggatcggtg gtgtgccttc agggaggaag agggaggtgg tcaagctt

408

<210> 3166<211> 457<212> DNA<213> Homo sapien

tgtaggatcc catcgactcg aattccgttg ctgtcgacct gcttctgggt cgggtgtttg
60tacgtagcac agcaactccc tcgtcgcgat ctattgaaag tcagccctcg acacaaggtg
120ttgtccgaca gcaacggtgg aataatatat accatgctta cgctagtcaa gagaaagcta
180gagtagaat actaatatca ggcaagcat atttcagagt taaacacaac atttttccac
240tatttgagc caaagtatc gagaacactc tctttactct gctcaaagtt acagagttct
300tttgtataaa cattagaaca cttatcacag cctgccaata atggagaata attccatgtt
360gtatactata caacactctt actaaagtcc attagacaga aatatgtagc atttgagaca
420ccttccaatt ataaaactct atgcagacaa aaattaa

457

<210> 3167<211> 397<212> DNA<213> Homo sapien

gctgctcttg acctctgtc tcgggctgtt ttccattgga gtagaggctc ctectgtctt
60gtctctgtg tggagggaag caaaccttcc cctggaccag agagaggaga aagcggagac
120aggtagcaac gctgtggact ggtgatgaca ggctcttcag ctccctgcaa gtgaccgggc
180ctggggaaca gggcatggca caggcacaca ggacccccca gccaggggt gcccccagcc
240agccccgtg gttcaagctg gttctcctgg gaagtggctc cgtgggtaag tccagcttgg
300ctcttcggta cgtgaagaac gacttcaaga gtatcctgcc tacggtgggc tgtgcgttct
360tcacaaagg ggtggatgtg ggtgccacct ctctgag

397

<210> 3168<211> 334<212> DNA<213> Homo sapien

tacggctcgc agaagacgac agaagggtgg gcttgacatg atatttatta tgttatgata
60tattcctttt atacttaatt tgttgagagt tgctttttaa ttatgaaagg ttatgaactt
120gttttattat tagttttgtc aaaggctctt tctacatcta ttcaactgat catatgattt
180tatctttcat ttgttaatg tgctatatca tttttataaa ttgcatatg ttgaaacagt
240cttgcatatc agagataaat cccatttgat catgngtat gatcctttta atgtgctgtt
300aaattcagct tgataatatt ttgttaacaa ttg

334

<210> 3169<211> 387<212> DNA<213> Homo sapien

ggcacgaggc gccgtctccc aggagcagct gcgcaactg caggaacggg tggaaagctg
60tgccaaggag gccgagaaga caaaagctca gtatgagcag acgctggcag agctgcatcg
120ctacactcca cgtacatgg aggacatgga acaggccttt gagacctgcc aggccgccga
180gcgccagcgg ctctttttct tcaaggatat gctgtcacc ttacaccagc acctggacct
240ttccagcagt gagaagttcc atgaactcca ccgtgacttg caccagggca ttgaggcagc
300cagtgcgaa aaggatctgc gctgggtggc cagcaccac gggccaggca tggccatgaa
360ctggccacag ttcgaggagt ggtcctn

387

<210> 3170<211> 408<212> DNA<213> Homo sapien

ggcacgaggt ttgcttagct gtcaacaaaa agaaaacctg aaggagcatt tggaagtcaa
60tttgaggggt tttttttgt ttttttttt tgggaggggg gaacggcccc caaaaggggg
120gggggggcaa aatttttaag aaaaaagaac ctccccggtt ttttttttaa gccacaagg
180ggctgggttt ttccaccgg cggttttaatt tttaaaaaaa tttaaaaaaa caaaacaaag
240ggggggtttt ctaatttggg gaggaacccc cccttggctc aaaagaaaaa ggcgttaaaa
300aagaattcca aaaggaaaaac cttggggggg gcccaacggg ccccggtgcc aataaacttt
360tttctgggga acgggagggg gagaacctcc cccccctcc caaggcgc

408

<210> 3171<211> 405<212> DNA<213> Homo sapien

attcgaattc cggtgctgtc gggtgttttg ttttgttttt agagacaggg tcttgctctg
60tcacccagac tggagtacaa tgacacaatc atagctcact gcagccttta actactgggc
120tcaagacatc ctctgcttc agcctccaga gagttgggac cataggtgca caccaccaca
180cctagctaatt ttttggggga ggtcttgcta tgttgcccag gctggctctg aactcctggg
240ctcatgcaat cctcctgcct tggcctccca aagcgctagg attagagggtg tgagccgctg
300caccctgccc cagtacaatc tttttgaac tcaaatTTTT gctgacatct gagtgcacac
360accacagtgt aaattatgcc ttatcagaat ctaaatgaaa atagg
405

<210> 3172<211> 400<212> DNA<213> Homo sapien

cggtgctgtc gacgacctgc ttctgggtct gggtttcgta cgtagcagag cagctccctc
60gctgcgatct attgaaagac agcctccgac acaagggttt ggacactttt aagaaacaaa
120gatagttttc tgaacattct gtgtcctgcc tgtctctgt tgattcgcag atgtaatatc
180gagtattcat caactgggtc caatttctctg aacacattca ctgtatccct cattgtaacc
240gttatccccc tgcctcaaaa tgtgccaggtt ccacttggtg ataacgttgg gaaaatgcag
300gtttatgaat gatgtggact ttttagaggat caaatcaata aattggattt tttatttttt
360gagggcagct gccctcactt gtttaaataa agaattctac
400

<210> 3173<211> 478<212> DNA<213> Homo sapien

gcaggaatcc ccacgannt tcgaattccg ggcgctcgtc gagtccatta tatacantgt
60gacgtgccag cgtgatcata acttatgagt agcagacatt ggatagcagt attcttttctg
120tactagggtg tggacataac ccgcactcta gtaatgcgat cgccttataa ctgtctctat
180tccgcagaga atattgtaga atgcgtatca gcggttatat tgttttctca taatatagcg
240agcaaacatt tctagggttag acaaccaacg aattgaatta caattttatg ttgaagagggc
300attattaaca tgtgtagagg ggttaagaaa gccaccttgt taaaaatttt ttaatttcca
360aaataatcta tattaaatga gggtttctga tctgtacttt gtgttttagct acctttttat
420atttaaaaaa ttaaaatga aaattacgtt cttacaagct taaagcttga tttgatct
478

<210> 3174<211> 412<212> DNA<213> Homo sapien

atcgattcga attccgttgc tgcggctga ttctcttcgc ctatcgggtg ctgggctttc
60cctatgttgc ccagggtcgt ctacagactcc tgggctcaaa agatcctcat cttctcaagt
120ggctgaatat acacgctcca gcgaccatgc ctggctgaat gaagagcttt gagattttga
180agaaacagga accatgaaat ttgctttgca actgtttgca acctttaagg aagactgaaa
240aggcattcct gaagcatgtg ccttcagccg ctacaagagc agaagcagtg ggcattggat
300ggagctgagt acaggaccat acaggctaatt tgcaccggca caggaatcgg atataacatt
360atctgggtac ccatggccag ctgtgacttc tccatccgca cctacaccta tg
412

<210> 3175<211> 171<212> DNA<213> Homo sapien

taacgcata ngcatacaca cgggctgttg actgggtggg gctgggtgtg ctgctctacg
60agatgctggg gggtagtgcc ccgttcccag gggacacaga ggaagagggtg tttgactgca
120tcgcaacatg gacgccccct accccggctt tctgtcgggt caagggttg a
171

<210> 3176<211> 384<212> DNA<213> Homo sapien

ggcacgagct attgagtgtc attcagaata ggaacaagg tctaatagaa aaagatggca
60atttgaagta gctataaaat tagactaatc tacattgctt ttctctgca gagtctaata
120ccttttatgc tttgataatt agcagtttgt ctacttggtc actaggaatg aaactacatg
180gtaaataggct taacagggtg aatagcccac ttactctga atctttaagc atttgtgcat
240ttgaaaaatg cttttcgcga tcttctgct gggattacag gcatgagcca ctgtgctga
300cctcccatat gtaaaagtgt ctaaagggtt ttttttggtt ataaaaggaa aatttttgct
360taagtttgaa ggataggtaa aatt
384

<210> 3177<211> 393<212> DNA<213> Homo sapien

cggtgctgtc ggcaagatgc tgctattgaa gaggtagaga tggagattt tgatgcaaat
60atcgaagaac agaaagaaga aaagaaagat gccagggaag aggaagcgca actgggttac
120attccgaaaa gcaaatggga gatggacaca tctgaggcaa agctagacaa gttggatggc
180ttgaggactg gtactaaaag gaaacgtgac tgggaggcca ttgccagcag aatggaggat

240tatcttcagc tccccgatga ttatgatact cgtgcttctg agcctgggaa gaagagggtc
300agatgggcag acctggaaga gaagaaggat gcagatagga aaagggccat aggttttgtg
360gtcggacaga ctgattgtga gaagatcaca gat

393

<210> 3178<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gggttgagaa ttccaggett ctgcagcctc caaaagggtgt tcttctctat
60gggctccag gctgtggtaa aacgttgatt gccaaaggcca cagccaaaga agcagggtgt
120cgatttatta accttcagcc ttcgacactg accgataagt ggtatggaga atctcagaaa
180ttggctgctg ctgtcttctc ccttgccata aagctacaac catccatcat ctttatagat
240gaaatagact cctttctacg aaaccgttca agttctgacc atgaagctac agccatgatg
300aaagctcagt ttatgagtct ctgggatgga ttggatactg atcacagctg ccagggtcata
360gtaatgggag ctaccaatcg tcttcagga

389

<210> 3179<211> 426<212> DNA<213> Homo sapien

ggcacgaggg cggaggttgc agtgagccga gatcatgcca ttgcactcca gcctgggtga
60cagagtgaga ctctgtctca aaaaaaaaaa aaaaaaaaaag ggggttccca ttttttggg
120ggtataggaa tatatggggg ggggtctatt tcttttttta tataaccttc cccccgggat
180ttttgggttt aaaagttccg gttaccccca aaccaaagt ggttttttac ctttggagtt
240ttttttttgg tccccctttt tcttttccaa gggggaaagc ccccaaatac cagggtcttt
300aggagggggg gtttagccaa acccacccca gggcaaattt ttggggggaa acctgaaagg
360gggaaaatat ttggggccct tgccttttgt ccaaccatcc tgaaaaaac ccactttgtt
420ttttaa

426

<210> 3180<211> 383<212> DNA<213> Homo sapien

cgatgtgac ggccgttgt ccccgagtc cccgacggga gcgccatggc ccagccgccg
60cccagcgtgg agggggacga ctgtctcccc gcgtaccgac acctcttctg tccggacact
120gctgcgggac aaagtggcct tcatcacagg aggcggctct gggattgggt tccggattgc
180tgagattttc atgcgggtgag actgctctgt gtcccttccc tgctcctgc ttctcctgc
240ccgggccctg ctggatgccc gacccttga aagatgttgg tgggaggtag atgtccctg
300ctcacctacc cgacaggatc cagggtgctg ccagagggac tggggagcgg tcgaggattg
360ccctggggga gtcaggactt caa

383

<210> 3181<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggagatttgc ttattattgt tgtactgctg ccatttttat tgggtttga
60ttattggaat ggtgcgcata ttgtactcc ttctacttgc tttaaaaagc agagttagat
120ttttgcacat taaaaaatc agtattaatt aaacattact tattctacct tcttttttg
180caaggaggac aaatacgcaa tgttggaata ccttgatgg atatcttctc tttaaaaaa
240tgtaaagata atttggtctt gagggtttaa acggttgata atgcctctac aacaacaaga
300aaaaagataa aatactagga tagaatcatg gtgggcacag tggcttctca ngaggctgag
360gagggaggtt tg

372

<210> 3182<211> 372<212> DNA<213> Homo sapien

ggcacgagat taacctcaga aatcctgtct ggctggcaga tttcaagtaa aaaaaaaaaa
60aggggggggtg ggggggaccc tttttttct agtggccttt agggaaaaaa aatttaactt
120tttttttggg tgggcccata tttttaagaa aaaatctcca attggtttcc ctttgaacc
180gggtaaaggc taatacttgc cactttttaa ggaggggggg aaaacccccg ggtttttttt
240ttaaggaaa ccccttgttg gggggcgccc cccttaagg gggggggggg gttttttttc
300tggcccttt tggggatgc aggggtactt ttgcaaacct tccggggggg tttaatggga
360aaccactacc cg

372

<210> 3183<211> 389<212> DNA<213> Homo sapien

ggcacgaggg aggatgtcct caacaccag tgtggctacc acgttcggct caaactggag
60ctggagcagc agggcttcat ccacaccaa ggctgcgtgg gccaaactga gaagaggctg
120caggacaacc tgaatgtggt ggcgggagtc ttcatgggca tcgccctcct ccagatcttt
180ggcatctgcc tggcccagaa ccttgggagt gacatcaagg cagtgaagc caactggagc
240aaatggaatg atgactatga aaaccactgt gttacgccc caatttgcga ggtcctgtcc

300acgggtggggc ctcaacagaa ctctctgact ggggcccctg gcccggaccc acccagacga
360catgttttct ttggcctggg tggatatag
389

<210> 3184<211> 451<212> DNA<213> Homo sapien

ngacatcctt tacggccant cgnntttttn tgaggaaccc atgcgatgcg aattccgttg
60ctgtcggaaa atcagaaaga gtttttattt tactagtat ttacaagtat gccctggaca
120gagtttcaaa acaagatgcc caggaactct ttaaaaatta taccatcttt gagaagaagt
180ttgggtgatag gcgggggtatt gaagatatca ttgtgagcaa acggagattc cagtacgaag
240aagaagtga ggcgaatcca cacaattatg atgcatggtt tgattacttg cgcttggtag
300aaagtgcgc agaagctgaa gccgtgagag aagtctatga aagggccatt gccaatgtcc
360caccattca ggagaagagg cactggaagc gctacattta tctttggatc aactatgcac
420tctatgaaga attggaggca aaggatcctg a
451

<210> 3185<211> 409<212> DNA<213> Homo sapien

ggcacgagaa caaagccacc caaactgctt cttctgtcac agattcgttc ccacctgcac
60aggagcgc ctcactggac gccggagccc gacacacctc tcgattactg ctatgtgcgg
120ccaaatcaca tcccaatgat caactccatg tgtcaggagt ttttttggcc tggcattgac
180ctgtctgagt gtctgcagta cccagacttc agtgatggtg ctctttataa aaaagtcate
240attgcctttg gcttcatggc tctgtatgtg aaatacaatg aagcttacet ttcatttttg
300ttcgtccacc ctgaatggag aagagcaggg attgcaactt tcatgatcta tcatctgatt
360cagacctgca tgggcaagga cgtaaccctt cacgtatgac caagcaacg
409

<210> 3186<211> 396<212> DNA<213> Homo sapien

ggcacgaggt gactctaggt ataggagtgt ccaggccctg ctcacccagg cttagagctta
60tggagccaga aggaaggagg tgcattgttg ggtgcaggac aggaggaaa aatactcgaa
120ttgcaagggt agggcacagt ctgtttatat tgggttgaat taactcttct cccgatgcca
180ctaaagcagg aatcacactg cagatggcac tgatttgatt ggcaagagac atgccaggaa
240gaatattaag ggaccaggcc cctataatta ggcctaata tagcctgttg ttgaaaagg
300gcatgaggga cattcatccg gcctggcact gtgccctaga cctgctctcc tgggtagtgg
360ggccctccat tgcaacagag gttgtgggtg gcctgg
396

<210> 3187<211> 412<212> DNA<213> Homo sapien

ggcacgaggg agggcgctgc cgtcgcgcg cttgggtttt ctgttccctt tttttttt
60tttttaaaac tcctggctaa aaccccccca cctttaaccc caaaaaaat taattacaac
120cggggccctt tggcccaaaa atggccttaa cccctaaaaa tggaaattt ttgtcctaaa
180gaaccccccc cccgggaaaa aacggggggc cttttttt gcaaaagggg tttaatccgg
240accacttgt tttttgcaag gccggttgc gtttgcccat tggggaattg gggggaatt
300gcccttgtct tgtttggaag ggggggggtt atttccctgg gaaataaagg gtgggttctt
360tttttataaa aaaaacttgt tggaaaacaa acctttttat attaaacttg an
412

<210> 3188<211> 404<212> DNA<213> Homo sapien

ggcacgagga gagagagcgc gagagagagc gcgtgaggca gagagagaga gagagcgaga
60tggagagaga gagcccagaga gactgtgaga gagccagaga gtttgagcgt gcgcgagcga
120gagagagaga gagagagatg gagcgatgga ctgtgacagc ctacaggagg aaaagcacgg
180cttacagaag gatgtttcct tcttgaggaa gcagcactat tagcactctg agtcaagatg
240agtgggaaac cctctcaata aacacatttt ggataaaaaa aaaaaaaaaa aaaaccggct
300ctcggccctt taaaactatg gggggccctt ttccttttat ccgggggggg ggaacacctt
360gttgggttgg cccacccctt ttttaattggc cgggaaaaat agtt
404

<210> 3189<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggac cagcaaaaga aggaggagct gctgaatgcc
60atgggtggcaa aactggggaa cggggaggac cactcccc aggactcctt tgaaggcgtg
120gacgaggacg agtgggacta gcctgcgccc ccgtcacctc cactcacct gtgctgccac
180ttcctagtgc acacctcacg gctcatcctc aagctggaag atacctctct ggccccggca
240catgtcaccc ctgcactcct gccttccctg gggcacttcc acatcctctg ggcctctggc
300agttcccagg gactgttttc acctctgctg tctn

334

<210> 3190<211> 393<212> DNA<213> Homo sapien

ggcacgagaa aaagcagagt ctgctctact ggccatcatg cgtaaagggg tgctgaagga
60cccagagatt gccgatctat tctacaaaga tgatcctgag gaacttttta ttggtttgca
120tgaaattgga catggaagtt ttggagcagt ttattttgct acaaagtctc acaccaatga
180gggtgggtggca attaagaaga tgcctatag tgggaagcag acccatgagt tgggtgatga
240atattgctta ggctcagcct ctgatttatt agaagttcat aaaaaaccac ttcaggaagt
300ggagatcgct gccattactc atggagcctt gcatggacta gcctacctac attctcatgc
360attgattcat agggatatta aagcaggaaa tat

393

<210> 3191<211> 385<212> DNA<213> Homo sapien

ggcacgagga aagctagcag attcttggct tagtattact aataggcagg attgtacaat
60gagcaactat cagattatct ctttcagtgg ttcttatggc atctaaatta ctgaataaat
120tattaatcca ttaatcagtg aatcaaatta tgattacaat tatcaaata atgctcagca
180ttaattgaaa actgttttgt gaaacatgtc taccagaaa agtagcattc tataaatact
240attaacaac ttagctatat ttttttaag tattaaatta tatgtcaagc agctaaagt
300aatttcagag taaaagtaag gcatgtttct gagcaacatt gataatttct taatttgcaa
360atttcttctt attttgggtac ttgga

385

<210> 3192<211> 397<212> DNA<213> Homo sapien

cggcggcctc actgctatgg gccgcaacaa gaagaagaag cgagatgggtg acgaccggcg
60ccgagggtc gttcttagct tcgacgagga gaagaggcgg gactacctga caggcttcca
120caagcggaag gtcgagcgaa agaaggcagc cattgaggag attaagcagc ggctgaaaga
180ggagcagagg aagcttcggg aggagcgcca ccaggaatac ttgaagatgc tggcagagag
240agaagaggct ctggaggagg cagatgagct ggaccggttg gtgacagcaa agacggagtc
300ggtgcagtat gaccacccca accacacagt caccgtgacc accatcagtg acctggacct
360ctcgggggcc cggctgctcg ggctgacccc acctgag

397

<210> 3193<211> 395<212> DNA<213> Homo sapien

ggcacgagac cgagctcaca ctgcagagat tcctcacttg agcttgcaat gagggacagc
60cttcatactt gcttgactct ttaatacaca cgggagcact cacaccggac atactccctc
120tgcattgttg gcacgcgcaa aaccattcat tagtgttttc tttctctcga ccacatgaaa
180cgatgcacac agaacataag ccgtatgaat gtaacgttta tgggaaaaca ttcagtttgc
240ccagtttatt tcatagacat gaaaggactc aactggagg aaaaacctat gaatgcgggc
300agtgtggcag atccttcaac tgttgagct gcttctgata tcatggtggg actcacactg
360gagagaaacc ctatgaatgc aagcaatgtg gaaan

395

<210> 3194<211> 352<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggtag ggctgcgata agacgacaga aggggcggtt
60ctatgctcac agtgtaaaca aaacaggga gcttgaactt gtagagccc actgcagctc
120agcaaggcct actgcctcta tagattccac ctctgggggc aaggcatatc tgaacaaaag
180gtagcagaca gcttctccag acttaaatgt ccctgectga aagctctgaa gagagcagtg
240gttctcccag cacagagttc aagctccaag agtggacaga ctgcctcctc aatgggtcg
300ctgacccccg tgtaacctga ctgggagaca cctcccagta ggggctgaca gg

352

<210> 3195<211> 394<212> DNA<213> Homo sapien

ggcacgaggg aggatgtcct caacacccat tgtggctacg acgtccggct caaactggag
60ctggagcagc agggcttcat ccacacaaaa ggctgcgtgg gccagtttga gaagtggctg
120caggacaacc tgattgtggg ggcgggagtc ttcattggga tcgccctcct ccagatcttt
180ggcatctgcc tggcccagaa cctcgtgagt gacatcaagg cagtgaagc caactggagc
240atatggaatg atgactttga aaaccactgg cttacgccc ccatttccga ggtcctgtcc
300acggcggggc ctacgaaaa ctctctgact ggggcccctg gcccgcccc acccagccga
360catgttttct ttggcctggg tggttatata cctg

394

<210> 3196<211> 374<212> DNA<213> Homo sapien

ggcacgagga gagagatatt gaacaaaatt ttcgcagcat agcggctcgc tatggaacac

60atgtaggaac tctgaagttg gaatagattc gactgcatta aatgttggcg agagactctc
120tttgatacat taataaaact gcttgcataa gcagttctat ggaagacact ggtgtaatta
180tgggcggcgc acttgtagcc gttttaatgg tacatattct tgatcttcca catttttctt
240tggttctttt ttctttttt agggaaaaa aaacaacaca cttcttctt atgttttctc
300aagattcaag tgaacacatt tacacatatt aattccttaa agaaccctaa acgttttctc
360cctacaaaac caat

374

<210> 3197<211> 401<212> DNA<213> Homo sapien

cgttgctgtc gagaattcgg aagaagccgg gacccaagcc cggatggaag aagaagcttc
60gttgtagag ggaggagctt cccaccatct acaagtgtcc ttaccagggc tgcacggcgg
120gtgaccgagg cgctgacggc atgaagaagc acatcaagga gcaccacgag gaggtccggg
180agcggccctg cccccaccct ggctgcaaca aggttttcat gatcgaccgc tacctgcagc
240gccacgtgaa gctcatccac acagaggtgc ggaactatat ctgtgacgaa tgtggacaaa
300ccttcaagca gcggaagcac cttctcgtcc accaaatgcg acattcggga gccaaagcct
360tgacgtgtga ggtctgtggg ttccagtgcg ggcagcgggc a

401

<210> 3198<211> 392<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggatt tgaggataga atccgaggca ttgatcat
60taaatggatg gagcgtacc ttaaggataa gaccgtgatg ataatcgtag caatcagccc
120caaatacaaa caggacgtgg aaggcgtga gtcgcanctg gacgaggatg agcatggctt
180acataactaag tacattcatc gaatgatgca gattgagttc ataaaacaag gaagcatgaa
240tttcagattc atccctgtgc tcttcccaaa tgctaagaag gagcatgtgc ccacctggct
300tcagaacact catgtctaca gctggcccaa gaataaaaaa aacatcctgc tgcggctgct
360gagagaggaa gagtatgtgg ctctccacg gg

392

<210> 3199<211> 134<212> DNA<213> Homo sapien

nnnnnnnnn cctnnccacc caccctgaa aaagcacanc aaaacccac gctgctggcg
60gagctgcggc tgctgaggca aaggaaggat gaactggagc agaggatgtc gggcctgcaa
120aagagcaggc gggc

134

<210> 3200<211> 393<212> DNA<213> Homo sapien

ggcacgagcc ggaacacgct gtcctcgcgc ttccttcggg tggacatcga cgaatttgac
60gagaacaaat ttgtggacga gcaggaggag gcgcgggcgg cgcgcgcgga gccaggcccg
120gacccgagcg aggtggacgg gctcctcggc caaggggaca tgcttcgggc attccatgca
180gccttgcgga actctcccg caacaccaag aatcaagctg tgaaggagcg agcccgaggc
240gtggtgctga aagtgtcac aaacttcaag agcagtgaga ttgagcaggc tgtgcagtca
300ctggacagaa acggcggtga cttgttaatg aagtacattt ataaaggctt tgagaagccc
360acagaaaata gcagcgcagt gttactccag tgg

393

<210> 3201<211> 452<212> DNA<213> Homo sapien

cgttgctgtc ggatgttcac caatgtcagc aagaactcaa cctgaattta aaggtggcat
60tccatatact aacatcccc aggtcctctc aagtacttct gctgaaacaa atttatttgg
120ctaggcacta agttgttttc cagtgaatag taactaaaga agccctacc ttgctccatg
180gattaattcc ttctgttcat ttccaactg cactaattgt gcatattact ctgcctaate
240ttgtgcatgt ttccattgat ttccctctcc cggtttttgc ttctcttgaa actgttgccc
300agtcacttct gctccaattc tcttctctc taaatagtag nttattactg ccacatctcc
360atgcatcagc aaaatggtgg tgacattttt ctacgctggc agaacagatt acttaaagct
420atntcatttt caagcagact tgatgtgact tt

452

<210> 3202<211> 403<212> DNA<213> Homo sapien

ggcacgaggc ccttttttgg cgatgagtat caatacaaat ggattttgtg agtgactcat
60gaagtgaaga atgcaccaga gtggatcaca agatggaatt tagccaaccc tagccttget
120tggttaaaatt tttttttttt ttttaaaaat aactgcccgg gtactgactt tgctggcttg
180gaacatctct tttttttttt ttttttctg actaaggctt ttgatgattc tgaattagaa
240agacaaggca tatcttgct gaagctttta tttttttaa aaagcctgtc ttcgggactg
300aaacacccaaa tccgcaacat catccaagag tacggcctgg actaccgctt ggatcctctg